CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS.

New York, April 27, 1095.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close	Work.	Place.	On file.	See issue.
Apr.				
29	Coal plant	New Orleans, La	S	3- 9
29	Firepf. stairways	Boston, Mass	S	4-13
•29	Pipe laying, etc.	Waterville, Me	P. & S	4-13
•29	Paving, etc.	Wilkesbarre, Pa	S	4-13
May				
•1	Bridge, steel	Washington, D. C	S	4- 6
•3	Water-works	Lexington, N. C	S	4-13
18	Sewer system	Mt. Carmel, Pa	S	4-27
•5	Water pipe	West Point, N. Y	S	4-13
•5	Paving	Holyoke, Mass	S	4-20
6	Quay wall	Bremerton, Wash	S	3-23
6	Cableways	Washington, D. C	S	4-13
•9	Road work	Atlantic City, N. J	P. & S	4-13
11	Breakwater	Los Angeles, Cal	S	4-25
•14	Water-works	Mansfield, La	S	2- 2
Sept.				
1	Steel manufacture	New S. Wales	S	3-23

•Work advertised in Engineering News.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS.

May 1. Arc lights, etc., Meridian, Mass..........Apr. 13
May 1. Generating unit, Moorhead, Minn..........Apr. 20
May 1. Gas mains, etc., Pittsburg, Pa..........Apr. 20
May 2. Lighting, Oswego, N. Y..........Apr. 6
Advertised, Eng. News, Apr. 6 to Apr. 27.
May 2. Power house, Lafayette, Ind..........Apr. 20
May 2. Light plant plans, Melrose, Minn..........Apr. 27
May 3. Public lighting, Washington, D. C..........Apr. 13
May 5. Electric plant sale, Port Arthur, Ont..........Apr. 13
May 8. City lighting, Binghamton, N. Y..........Apr. 20
Advertised, Eng. News, Apr. 20 and 27.
May 8. Gas pipe line, etc, Richmond, Va..........Apr. 27
Advertised, Eng. News, Apr. 27.
May 9. Power plant work, Fulton, Mo..........Apr. 27
May 12. Three power houses, Pittsburg, Pa..........Apr. 27
May 15. Electric plant, Jewell City, Kan..........Mar. 23

BRIDGES.

Apr. 28. Bridges, steel, Neligh, Neb..........Apr. 20
Apr. 29. Culverts, etc., Cleveland, O..........Apr. 13
May 1. Bridge, steel, Greenwood, Ark..........Apr. 13
Advertised, Eng. News, Apr. 13.
May 1. Bridge steel, Quincy, Cal..........Apr. 6
May 1. Bridge, steel, Washington, D. C..........Apr. 6
Advertised, Eng. News, Apr. 6 and 13.
May 1. Bridge, Richland Center, Ark..........Mar. 9
May 1. Painting bridge, Allentown, Pa..........Apr. 20
May 1. Arches, Tipton, Ind..........Apr. 20
May 1. Bridge, Medina, O..........Apr. 20
May 1. Abutments, cement, Bamberg, Ont..........Apr. 20
May 1. Bridges, steel, Hartford City, Ind..........Apr. 27
May 1. Bridges, steel, Portland, Ind..........Apr. 27
May 1. Bridges, Owen Sound, Ont..........Apr. 27
May 1. Bridges, Ft. Smith, Ark..........Apr. 27
May 1. Painting bridges, New Bloomfield, Pa..........Apr. 27
May 2. Bridge, Stockton, Cal..........Apr. 27
May 2. Stone arch, Waupaca, Wis..........Apr. 27
May 2. Culverts, etc., Trenton, N. J..........Apr. 27
May 2. Bridge, iron, Plymouth, Ind..........Apr. 27
May 2. Bridges, steel, Carrollton, Mo..........Apr. 20
May 2. Bridge, Norwalk, O..........Apr. 20
May 3. Bridge, steel, Peru, Ind..........Apr. 6
May 3. Bridges, concrete steel, Bluffton, Ind..........Apr. 13
May 3. Bridges, steel, Vincennes, Ind..........Apr. 27
May 3. Bridges, steel, Edina, Mo..........Apr. 27
May 4. Bridge, Jersey City, N. J..........Apr. 27
May 4. Bridge, Wabash, Ind..........Apr. 13
May 4. Bridges, iron, Birmingham, Ala..........Apr. 13
Advertised, Eng. News, Apr. 13 and 20.
May 4. Bridges, Bryan, O..........Apr. 20
May 4. Bridges, Columbus, O..........Apr. 20
May 5. Bridge, superstructure, Cincinnati, O..........Apr. 13
May 5. Bridge, steel, Duluth, Minn..........Apr. 27
May 8. Bridges, steel, Olivet, S. Dak..........Apr. 27
May 10. Bridges, steel, Pembina, N. Dak..........Apr. 27
May 10. Bridges, stone, Cleveland, O..........Apr. 20
May 15. Bridge, England..........Apr. 27
May 17. Abutments, Cleveland, O..........Apr. 27
May 17. Bridge, Pittsburg, Pa..........Apr. 27

BUILDINGS.

Apr. 28. High-school, Cresco, Ia..........Apr. 13
Apr. 28. School, Providence, R. I..........Apr. 20
Apr. 29. Church, Steubenville, O..........Apr. 13
Apr. 29. Fireproof stairways, etc., Boston, Mass..........Apr. 13
Apr. 29. Court-house, Norman, Okla..........Apr. 6
Apr. 29. Heating apparatus, Wash. Barracks, D. C..........Mar. 30
Advertised, Eng. News, Mar. 30 to Apr. 26.
Apr. 29. Bank building, Washington, D. C..........Mar. 30
Apr. 29. Auditorium, Lexington, Ky..........Apr. 27
May 1. Plumbing, New York, N. Y..........Apr. 27
May 1. Court-house plans, North Yakima, Wash..........Apr. 27
May 1. Post-office, Jacksonville, Ill..........Apr. 13
May 1. Factory (Mfg. Pl.), Batavia, N. Y..........Apr. 20
May 1. Supreme court plans, Jefferson City, Mo..........Apr. 20
May 1. Iron stairways, etc., New York, N. Y..........Apr. 20
May 2. School, Madison, Wis..........Apr. 20
May 2. Library, Rockhill, S. C..........Apr. 27
May 3. Draining, etc., Washington, D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 11.
May 3. Court-house, Vinton, Ia..........Mar. 30
May 5. School, Fairmount, O..........Apr. 20
May 6. Asylum, Valparaiso, Ind..........Apr. 20
May 6. Heating apparatus, Florence, S. C..........Apr. 13
May 6. Tiles, brick, Washington, D. C..........Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 8. Jail, Lebanon, Va..........Apr. 27
May 8. School, Cleveland, O..........Apr. 27
May 8. Interior finish, New York, N. Y..........Mar. 16
May 8. Laundry (Mfg. Pl), Albuquerque, N. Mex..........Apr. 20
May 9. Mechanical equipment, New York, N. Y..........Mar. 16
May 10. Elevator equipment, New York, N. Y..........Apr. 13
May 10. Light fixtures, etc., Ft. Sheridan, Ill..........Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 11. Post-office, Laramie, Wyo..........Apr. 13
May 11. Smoke-stack, etc., Ft. Assiniboine, Mont..........Apr. 13
Advertised, Eng. News, Apr. 13 to May 4.
May 12. Metal office equipment, Columbia, S. C..........Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 13. Ornamental terra cotta, Washington, D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 11.
May 15. Mess halls, etc., Ft. Sam Houston, Tex..........Apr. 20
May 17. Structural steel, Washington, D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 11.

WATER SUPPLY AND IRRIGATION.

Apr. 28. Water-works, Cassville, Mo..........Apr. 13
Apr. 29. Pipe laying, etc., Waterville, Me..........Apr. 13
Advertised, Eng. News, Apr. 13.
May 1. Reservoir, pumps, etc., Ft. Wright, Wash..........Apr. 13
May 1. Tank, Salem, Va..........Apr. 13
Advertised, Eng. News, Apr. 13 and 20.
May 1. Irrigation canal, Cody, Wyo..........Apr. 13
Advertised, Eng. News, Apr. 13 and 20.
May 1. Water pipe, Pittsburg, Pa..........Apr. 20
May 1. Pipe, Wilmington, Del..........Apr. 20
Advertised, Eng. News, Apr. 20.
May 1. Filtering well, etc., Ford City, Pa..........Apr. 20
May 1. Water-works, Scotia, N. Y..........Apr. 20
May 1. Pipe laying, Brandon, Man..........Apr. 20
May 1. Water-works, etc., Thief River Falls, Minn..........Apr 20
May 1. Artesian well, Oakes, N. Dak..........Apr. 20
May 1. Pipe laying, Sioux City, Ia..........Apr. 20
May 1. Pipe and castings, Albany, N. Y..........Apr. 27
May 1. Foundation work, Falmouth, Mass..........Apr. 27
May 2. Boiler, pump, etc., Chisholm, Minn..........Apr. 27
May 2. Boiler, Norwalk, O..........Apr. 20
May 2. Laying pipe, Cincinnati, O..........Apr. 6
May 2. Pumping plant, Los Angeles, Cal..........Apr. 6
May 3. Water-works, Lexington, N. C..........Apr. 13
Advertised, Eng. News, Apr. 13 and 20.
May 3. Water-works, Bagley, Minn..........Apr. 20
May 3. Water-works, Humboldt, Kan..........Apr. 20
May 3. Hydrants, pipe, etc., New York, N. Y..........Apr. 27
May 4. Pumping plant, San Diego, Cal..........Apr. 27
May 4. Water-works impts., De Pere, Wis..........Apr. 13
Advertised, Eng. News, Apr. 13 and 20.
May 5. Pipe and castings, West Point, N. Y..........Apr. 13
Advertised, Eng. News, Apr. 13 to May 4.
May 6. Tank and trestle, San Antonio, Tex..........Apr. 13
May 10. Pipe, Dayton, O..........Apr. 27
May 10. Improving reservoir, Boston, Mass..........Apr. 27
Advertised, Eng. News, Apr. 27.
May 10. Water meters, Dayton, O..........Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 11. Water main connection, New Orleans, La..........Mar. 23
May 11. Water system, side track, Oswego, N. Y..........Apr. 13
Advertised, Eng. News, Apr. 13 to May 11.
May 11. Laying pipe, West Point, N. Y..........Apr. 13
Advertised, Eng. News, Apr. 13 to May 11.
May 12. Pipe laying, Cincinnati, O..........Apr. 20
May 14. Water-works, Mansfield, La..........Mar. 2
Advertised, Eng. News, Mar. 2.
May 15. Pumping engine, Montreal, Que..........Mar. 9
Advertised, Eng. News, Mar. 9.
May 15. Gate and outworks, La Junta, Colo..........Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 16. Irrigation canals, Denver, Colo..........Mar. 23
Advertised, Eng. News, Mar. 23 to May 4.
May 18. Boiler, pump, etc., Ft. Assinniboine, Mont..........Apr. 27
Advertised, Eng. News, Apr. 27 to May 18.

SEWERAGE.

Apr. 28. Sewerage, Shawano, Wis..........Apr. 27
May 1. Sewer, Westfield, N. J..........Apr. 27
May 1. Sewer system, Toronto, O..........Apr. 27
May 1. Sewerage, Grinnell, Ia..........Apr. 27
May 1. Sewer, Lexington, Ky..........Mar. 30
May 1. Sewer system, Galt, Ont..........Apr. 20
May 1. Sewer system, Thief River Falls, Minn..........Apr. 20
May 1. Five miles sewers, Pittsburg, Pa..........Apr. 20
May 1. Sewers, Syracuse, N. Y..........Apr. 27
May 2. Sewers (in 1905), St. Louis, Mo..........Apr. 20
May 2. Sewers, Waterbury, Conn..........Apr. 13
May 3. Steel sewer, Peru, Ind..........Apr. 27
May 3. Sewers, Brooklyn, N. Y..........Apr. 27
May 3. Sewers, Cincinnati, O..........Apr. 27
May 3. Sewers, Elkhart, Ind..........Apr. 27
May 4. Sewers, Akron, O..........Apr. 27
May 4. Sewer, McKeesport, Pa..........Apr. 27
May 4. Sewerage, Saltsburg, Pa..........Apr. 13
May 5. Sewers, Spartanburg, S. C..........Apr. 27
May 6. Sewer pipe, Ft. Wayne, Ind..........Apr. 27
May 8. Drain, Berea, O..........Apr. 27
May 9. Sewer, Fremont, O..........Apr. 27
May 9. Sewer, Tipton, Ind..........Apr. 27
May 12. Sewer system, Idaho, Falls, Idaho..........Apr. 20
May 14. Septic tanks, Birmingham, Ala..........Apr. 27
May 17. Sewers, Washington, D. C..........Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.

STREETS AND ROADS.

Apr. 28. Sidewalks, etc., Youngstown, O..........Apr. 13
Apr. 29. Macadam road, Wilkesbarre, Pa..........Apr. 13
Advertised, Eng. News, Apr. 13.
Apr. 29. Paving, etc., East St. Louis, Ill..........Apr. 20
Apr. 30. Road, Vicksburg, Miss..........Mar. 23
May 1. Paving, Evansville, Ind..........Mar. 30
May 1. Paving, brick, Bucyrus, O..........Apr. 13
May 1. Paving, etc., Pittsburg, Pa..........Apr. 20
May 1. Road, Vernon, Ind..........Apr. 20
May 1. Sidewalks, Ft. Porter, N. Y..........Apr. 25
May 1. Paving, brick, New Brunswick, N. J..........Apr. 20
May 1. Roads, Bedford, Ind..........Apr. 20
May 1. Road, Stevens Point, Wis..........Apr. 27
May 1. Road, Morris, Conn..........Apr. 27
May 1. Paving, Muncie, Ind..........Apr. 27
May 1. Paving, etc., Long Island City, N. Y..........Apr. 27
May 1. Concrete walks, New Hamburg, Ont..........Apr. 27
May 1. Sidewalks, cement, Lambton, Ont..........Apr. 27
May 1. Paving, asphalt, Tacoma, Wash..........Apr. 27
May 2. Macadamizing, Delawanna, N. J..........Apr. 27
May 2. Paving, etc., St. Paul, Minn..........Apr. 27
May 2. Sidewalks, Waterbury, Conn..........Apr. 20
May 2. Macadamizing, Trenton, N. J..........Apr. 20
May 2. Macadam road, Versailles, Ind..........Apr. 13
May 2. Roads, Bloomfield, Ind..........Apr. 6
May 3. Paving, Brooklyn, N. Y..........Apr. 20
May 3. Cement walk, Fargo, N. Dak..........Apr. 27
May 3. Macadamizing, Trenton, N. J..........Apr. 27
May 4. Macadamizing, Cincinnati, O..........Apr. 13
May 4. Paving, brick, Akron, O..........Apr. 20
May 4. Paving, St. Charles, Mo..........Apr. 20
May 5. Sidewalks, etc., Holyoke, Mass..........Apr. 20
Advertised, Eng. News, Apr. 20 and 27.
May 5. Paving, Chicago, Ill..........Apr. 27
May 6. Paving, Cleveland, O..........Apr. 20
May 6. Road, Washington, Pa..........Apr. 13
May 8. Sidewalk, Jefferson, O..........Apr. 27
May 8. Roads, Delaware, O..........Apr. 27
May 8. Grading, Montesano, Wash..........Apr. 27
May 8. Grading, etc., Green Castle, Ind..........Apr. 27
May 9. Gravel roads, Brazil, Ind..........Apr. 27
May 9. Roads, Delaware, O..........Apr. 27
May 9. Graveling, Atlantic City, N. J..........Apr. 13
Advertised, Eng. News, Apr. 13 to May 4.
May 9. Gravel roads, Peru, Ind..........Apr. 20
May 9. Paving, Wellsville, N. Y..........Apr. 20
Advertised, Eng. News, Apr. 20 and 27.
May 10. Granolithic walks, Ft. Greble, R. I..........Apr. 20
May 10. Paving, Cincinnati, O..........Apr. 20
May 10. Paving, Pine Bluff, Ark..........Apr. 27
May 10. Road, Freehold, N. J..........Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 10. Roads, Delaware, O..........Apr. 27
May 12. Paving, sheet asphalt, Wash., D. C..........Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 12. Paving, asphalt block, Wash., D. C..........Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 13. Grading, Washington, D. C..........Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 13. Road, Cleveland, O..........Apr. 27
May 13. Macadamizing, Norwood, O..........Apr. 20
May 15. Roads, Henderson, N. C..........Apr. 27
Advertised, Eng. News, Apr. 27 and May 4.
May 16. Grading, etc., Normal City, Ind..........Apr. 27
May 18. Sidewalks, National Home, Wis..........Apr. 27

MISCELLANEOUS CONTRACTS.

Apr. 28. Street sweeping, Akron, O..........Apr. 20
Apr. 28. Garbage collection, Washington, D. C..........Apr. 13
Advertised, Eng. News, Apr. 13 and 20.
Apr. 29. Fire engine, etc., Champaign, Ill..........Apr. 13
Apr. 29. Dock, Burlington, Vt..........Apr. 6
Advertised, Eng. News, Apr. 6 to May 4.
Apr. 29. Ditch work, Monticello, Ill..........Mar. 30
May 1. Electric railway, Toronto, Ont..........Mar. 30
May 1. Machinery, etc., Washington, D. C..........Apr. 6
Advertised, Eng. News, Apr. 6 to May 4.
May 1. Ordnance supplies, Dover, N. J..........Apr. 13
May 1. Castings, Washington, D. C..........Apr. 13
May 1. Building railway, Toronto & Hamilton Ry..........Apr. 13
May 1. Cement, sand, etc., Portland, Me..........Apr. 13
Advertised, Eng. News, Apr. 13 to May 4.
May 1. Cement, Picton, Ont..........Apr. 20
May 1. Ferry structures, New York, N. Y..........Apr. 20
May 1. Drainage canal, Hutchinson, Kan..........Apr. 27
May 2. Cable, Washington, D. C..........Apr. 27
May 2. Wire, Washington, D. C..........Apr. 27
May 2. Drainage ditches, Breckenridge, Minn..........Apr. 20
May 2. Panel boards, etc., Washington, D. C..........Apr. 20
May 2. Machine tools, Washington, D. C..........Apr. 13
May 2. Drainage ditches, Breckenridge, Minn..........Apr. 13
May 2. Track tools, metals, etc., Wash., D. C..........Apr. 6
Advertised, Eng. News, Apr. 6 to May 4.
May 3. Steam shovels, Washington, D. C..........Apr. 6
Advertised, Eng. News, Apr. 6 to May 4.
May 3. Dam work, Wheeling, W. Va..........Apr. 6
Advertised, Eng. News, Apr. 6 to May 4.
May 3. Dredging, Newport, R. I..........Apr. 6
Advertised, Eng. News, Apr. 6 to May 4.
May 3. Jetty, Newport, R. I..........Apr. 6
Advertised, Eng. News, Apr. 6 to May 4.
May 3. Ordnance supplies, Springfield, Mass..........Apr. 13
May 3. Pontoons, etc., New York, N. Y..........Apr. 27
May 4. Fire alarm system, Rensselaer, N. Y..........Apr. 27
May 4. Garbage collection, Philadelphia, Pa..........Apr. 13
May 5. Pile drivers, scows, etc., New York, N. Y..........Apr. 27
May 5. Pier, New York, N. Y..........Apr. 27
May 6. Cableways ,Washington, D. C..........Apr. 13
May 6. Breakwater work, Cleveland, O..........Apr. 6
Advertised, Eng. News, Apr. 6 to May 4.
May 8. Dredging, Newport, R. I..........Apr. 13
Advertised, Eng. News, Apr. 13 to May 11.
May 9. Conduit, trucks, motors, etc, Wash., D. C..........Apr. 13
May 9. Cement piles, etc., Washington, D. C..........Apr. 20
May 9. Sheet steel, iron pipe, etc., Wash., D. C..........Apr. 27
May 10. Dredging, Newport, R. I..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 11.
May 10. Cable, Washington, D. C..........Apr. 20
May 10. Earth spreaders, etc., Washington, D. C..........Apr. 13
Advertised, Eng. News, Apr. 13 to May 11.
May 11. Switchboards, Washington, D. C..........Apr. 20
May 11. Paints, oils, etc., Washington, D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 11.
May 11. Breakwater, Los Angeles, Cal..........Apr. 20
May 11. Drain, Auburn, Ind..........Apr. 27
May 12. Ranges, stoves, etc., Washington, D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 12. Tinsmiths' supplies, etc., Wash., D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 12. Hose, rope, etc., Washington, D. C..........Apr. 20
May 12. Rock removal, New York, N. Y..........Apr. 13
Advertised, Eng. News, Apr. 13 to May 11.
May 13. Brooms, etc., Washington, D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 13. Riprap, Duluth, Minn..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 13. Machinery, etc., Washington, D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 13. Pier work, Buffalo, N. Y..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 15. Rock excavation, Chicago, Ill..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 4.
May 15. Excavation, Buffalo, N. Y..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 15. Paints and oils, etc., Wash., D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 15. Dredging, Newport, R. I..........Apr. 13
Advertised, Eng. News, Apr. 13 to May 11.
May 15. Iron, steel, etc., Watervliet, N. Y..........Apr. 27
May 16. Locomotive cranes, Washington, D. C..........Apr. 27
May 16. Tunnel, Boston, Mass..........Apr. 27
Advertised, Eng. News, Apr. 27 to May 18.
May 16. Machinery, Washington, D. C..........Apr. 13
May 16. Cement, Wheeling, W. Va..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 16. Dredging, pier work, Milwaukee, Wis..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 16. Lumber, piles, etc., Washington, D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 17. Miscellaneous supplies, Wash., D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 18. Brick clay, doors, etc., Wash., D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.
May 18. Explosives, Washington, D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 td May 18.
May 18. Sanitary fixtures, etc., Washington, D. C..........Apr. 20
Advertised, Eng. News, Apr. 20 to May 18.

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ARIZONA.—Cecil G. Fennel, of Prescott, Ariz., is reported to be backing project to build a standard-gage railroad from Huron, Ariz., to McCabe.

ATCHISON, TOPEKA & SANTA FE.—Contract has been let to JACOB R. MUHLICK, 100 East Van Buren St., Chicago, for double-tracking line between Peabody and Braddock, Kan., and between Walton and Lehman, Kan., and also between Richter and Pomona.

ARKANSAS CENTRAL.—Company is said to be making surveys for extension of its line from Paris to Dardanelle, Ark., about 60 miles. Right-of-way is being secured, and contracts for the work may be let soon. C. E. Warner, Fort Smith, is Secy. J. B. Jones, Paris, Ark., is Road Master.

BANGOR & NORTHERN MAINE SHORT LINE.—We are informed that charter applied for has been defeated in legislature. Noted in full on March 16.

BREMEN & SOUTHWESTERN.—Company has been organized to build a railroad 25 miles long from Bremen, Ga., to Wedowee, Ala. The incorporators are: H. N. Gardner, L. B. Parker and Judge A. A. Hurst, of Edwardsville, Ala. The capital is $50,000.

BUCKHANNON & NORTHERN.—We are informed that work on this railway has been suspended since January, 1904. S. D. Brady, Parkersburg, W. Va., is Ch. Engr.

CALIFORNIA.—The Weed Lumber Co., it is said will build a railroad from Weed, Cal., to Klamath Falls, Ore. Klamath County is raising $100,000 for this work.

CATOCTIN & PEN MAR.—A press report from Frederick, Md., states that right-of-way for this line has been secured and route surveyed. It is planned to have Wabash Ry. build a portion of proposed 10-mile line.

CHICAGO & ALTON.—The grade between Peoria and Springfield, on the Peoria division, will be reduced. Estimated cost, $300,000. G. H. Kimball, Chicago, Ill., is Ch. Engr.

CHICAGO, ANAMOSA & NORTHERN.—We are informed that route has been located, and most of the right-of-way secured, to Puasqueton, Ia. The final length of line is undecided. It has been built from Anamosa to Coggan, Ia., 20 miles. The railway connects at Coggan with Illinois Central; and Chicago, Milwaukee & St. Paul and Chicago Northwestern, at Anamosa, Ia. Henry Kiene, Dubuque, Ia., is Pres. D. M. McKee, Anamosa, is Ch. Engr.

CHICAGO GREAT WESTERN.—This company will build a new line, 110 miles long, from Arispe, Ia., on the Kansas City line, northwest through Creston, Greenfield, Adair and Guthrie Center, to Carroll, Ia., on the Omaha line. It is said that the company will build from Carroll, northwest to Sioux City, Ia. C. G. Delo, Des Moines, Ia., is Engr.

CHICAGO, ROCK ISLAND & PACIFIC.—It is announced that $1,364,341 will be spent by company for betterment of its roadway this year. W. L. Darling is Ch. Engr., at Chicago.

CINCINNATI & MUSKINGUM VALLEY.—About six miles of new track may be laid at Roseville, O. R. O. Morrison, Zanesville, O., is Engr.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS.—We are informed that double-tracking on Cincinnati division, from Springfield to Cincinnati, has not yet been authorized. George W. Kettridge, Cincinnati, is Ch. Engr.

COLORADO & SOUTHERN.—Contracts are said to have been let for building an extension of this road for 160 miles. It is planned to acquire the Trinity & Brazos Valley, 79 miles long, and to operate a through line from Denver to Galveston, Tex., over the Fort Worth & Denver City Ry., which the C. & S. controls. Estimated cost is $8,000,000 to $9,000,000. H. W. Cowan is Ch. Engr., Denver, Colo.

DELAWARE & HUDSON.—The project of the Delaware & Hudson to build a branch line from Stateline, Mass., to Merchantsville, a distance of 56 miles, to connect with the New York, New Haven & Hartford Ry., has been abandoned, the expense involved being too great, it is said. Previously mentioned. James MacMartin, Albany, is Ch. Engr.

DENVER, NORTHWESTERN & PACIFIC.—Contracts may be let soon for extending this line to Salt Lake City, Utah. H. A. Sumner, Denver, Colo., is Ch. Engr.

DENVER, NORTHWESTERN & PACIFIC.—Contracts will be let for extension of this road as originally planned, to Salt Lake City, Utah. David H. Moffatt, Pres., Denver, is stated to have made arrangements for this work and to have secured capital. H. A. Sumner, Denver, Colo., is Ch. Engr.

DARIEN & WESTERN.—About 35 miles of line will be built this year, 45 miles are now in operation. Company has contracted for rails; also for grading. Company is in market for some equipment rolling stock etc., we are informed. H. D. Emerson, Darien, Ga., is Engr.

EL PASO, MOUNTAIN PARK & ST. LOUIS.—Location surveys have been made for 110 miles, according to the El Paso, Tex., "Herald." It is proposed to build the railway this summer. It will run from St. Louis southwest, through Springfield, and Joplin, Mo.; Wagoner and Okmulgee, Ind. Ter., crossing the Red River into Texas, across northwestern Texas to Roswell, N. Mex., and on to El Paso, Tex. Beyond El Paso it is proposed to continue across the states of Chihuahua and Sonora to the mouth of the Sonora River, on the Gulf of California.

FAIRVIEW TRANSPORTATION CO.—Incorporated in Illinois to build an extension of the Illinois Central from Shawneetown to Golconda, with a branch from Fairview mine in Hardin County to the shore of the Ohio River in the same county. Capital stock, $50,000. Directors: John M. Jackson and F. H. Higgins, of Rosi Clare, Ill.; and J. L. Murphy, William H. Moore and Thomas Barrow, of Golconda, Ill.

GRAND TRUNK.—Classification yards are to be built at Toronto and Montreal. At Toronto the yards will be located at Mimico and the Montreal yards at Turcot. J. W. Loud, Montreal, Que. is Freight Traffic Mgr.

GREENWOOD, GREENVILLE & KNOXVILLE.—Subscriptions are being raised along proposed route of this railway for its construction. Robert Berry, of Fork Shoals, S. C., is reported to be interested in the project.

JOHNSON CITY, BAKERSVILLE & SOUTHERN.—This company has been incorporated in Tennessee to build a railroad from Johnson City, Tenn., to Bakersville, N. C., 40 miles, of which 22 miles will be located in Tennessee and 18 miles in North Carolina. It will run by way of Unicoe, Tenn., Limestone Cove, Tenn., and Magnetic City and Big Rock Creek, N. C. 8½ miles of the line were completed four years ago, from Union to Davisville, Tenn. Surveys have been made from Johnson City to Davisville, 18½ miles, and the rest of the route is under survey. William E. Uptegrove is Pres., 457 East Tenth St., New York. C. B. Allen is vice-Pres., Johnson City, Tenn. J. B. Thomas, Johnson City, is Gen. Mgr.

IDAHO.—Charles A. Nodle, of Butte, Mont., is reported to be promoting a railroad company to build a road from Lewiston to Salmon City, via Salmon Valley, tapping the Buffalo Hump and Thunder Mountain districts. Stock is being sold.

KANSAS, MEDICINE VALLEY & WESTERN.—A charter has been granted this company in Kansas, with a capital of $500,000, to build a line from the Kansas oil fields to Trinidad, Colo., about 960 miles. The proposed route is from Independence, Kan., through Montgomery, Chautauqua, Elk, Cowley, Sumner, Harper, Barber, Pratt, Comanche, Kiowa, Clark Ford, Gray, Haskell, Grant, Stanton, Stevens and Morton counties, Kan., to Trinidad, Colo. It is to be operated as a coal road. Surveyors are running a line for the right of way between Anthony and Medicine Lodge, according to local paper. The incorporators are: Senator T. A. Noftzger, F. D. Brooks, F. C. Firestone, M. D. Hoopes, Joseph Thompson and P. G. Walton, of Anthony, Kan.

KANSAS, OKLAHOMA TEXAS & GULF.—Incorporated in Oklahoma to build a railroad from Coffeyville, Kan., through the Cherokee and Osage nations and the counties of Pawnee, Payne, Logan, Kingfisher, Blaine, Custer, Washita, Kiowa and Greer, Oklahoma, to a point on the Fort Worth & Denver Ry., in the southwestern corner of Collingsworth county, Tex., with necessary branch lines and extensions, a total estimated length of 450 miles. Capital stock is $10,000,000. G. F. Border of Mangum, Okla.; Thomas L. Eggleston of Granite, Okla.; W. S. Whittingill of Enid, Okla.; James H. Hunter and W. E. Minton, of Kansas City, Mo., are incorporators.

KEWEENAW CENTRAL.—We are informed that contracts will be let, to local contractors, about May 15 for building 50 miles of railway from Calumet, Mich. Capital has been secured and preliminary surveys satisfactorily run. The line will pass through Centennial, Allouez, Mohawk, Cliff, Pheonix, Copper Harbor and Mendota, Minn.

MUSCATINE NORTH & SOUTH.—Henry Jayne, Muscotine, Ia., advises us that the company probably will extend to Burlington, Ia., this summer, about 20 miles. Charles Howard, Muscatine, Ia., is interested in newly organized company. Noted on Jan. 12.

NORFOLK & WESTERN.—P. J. McGRANN, of Lancaster, Pa., has contract for building extension from Cripple Creek to Speedwell, Va., six miles. Charles S. Churchill, Roanoke, Va., is Ch. Engr.

NEEDLES, SEARCHLIGHT & NORTHERN.—A standard-gage railway will be built from Ibex, Cal., to Searchlight by this company. Col. C. A. Hopkins, Pres. Quartet Mining Co., of Searchlight, is promoting this railroad, it is reported. Estimated cost, $500,000.

ORFORD MOUNTAIN.——We are informed that location surveys are completed for a branch from Potton Springs to Mansonville, Que., ten miles. Construction has commenced on extension from Kingsbury, Que., to Windsor Mills, ten miles. Company does its own construction work. R. K. Harris, Kingsbury, Que., is Ch. Engr.

PENNSYLVANIA.—Freight yards at Pitcairn, Pa., will be rebuilt at cost of $250,000, it is said.

PLANT CITY, ARCADIA & GULF.—C. A. Root, Pres., Plant City, Fla., informs us that company will construct this railway. About 13 miles, of a total of 65 miles, are completed and two miles of track are being laid. Part of right of way is secured. The railway will be built from Hopewell, via A'alia, Keysville, Lillibridge, Chicora, Fort Green and Lily to Arcadia. F. A. Wheeler, Plant City, is Ch. Engr.

PENNSYLVANIA RY.—The contract for the construction of the Pennsylvania Railroad's twin tunnels under New York City in connection with its new terminals there was awarded to the UNITED ENGINEERING AND CONTRACTING CO., 13 Park Row, New York. The tunnels will extend from the station, in the block bounded by Seventh and Ninth Aves. and 31st and 33d Sts., eastward across the city to connect the tunnels now under construction under the East River. Est. cost is $5,000,000. THE NEW YORK CONTRACTING AND TRUCKING CO. obtained the contract for excavating for the Pennsylvania Railroad passenger station. Contract for the construction of the passenger station is yet to be awarded. THE O'ROURKE CONSTRUCTION CO. is building the tunnels under the North River and S. PIERSON & SONS, LIMITED, are boring the tunnels under the East River.

SAN PEDRO, LOS ANGELES & SALT LAKE.—An officer has announced that this company has decided to build a branch from Las Vegas, Nev., to the gold fields at Goldfield and Tonopah, about 120 miles. E. G. Tilton, Los Angeles, Cal., is Ch. Engr.

SOUTHERN.—It is reported that the Southern will take over the Mobile & Girard and extend that line to Pensacola, Fla., during the coming summer.

SOUTHERN PACIFIC.—J. M. Lee Gen. Agt., has submitted proposal to business men of Lafayette, La., to build a branch of the S. P., from Lafayette to Baton Rouge.

SOUTHERN PACIFIC.—UTAH CONSTRUCTION CO., of Ogden, Utah, has contract for building a branch from Hazen to Churchill, Nev., 28 miles. William Hood, San Francisco, Cal., is Ch. Engr.

SOUTH CAROLINA.—We are informed that the Excelsior Granite Co. will construct six miles of standard gage railroad to connect quarries at Heath Spring, S. C., with nearest point on Southern Ry. N. Gould is Secy. Track equipment will be required.

SPOKANE & BRITISH COLUMBIA.—The Republic & Kettle Valley Railway Company has changed its name to the Spokane & British Columbia Railway Co. and has increased its capital stock from $1,000,000 to $5,000,000. The increase in capitalization is made to provide for the extension of the road from Republic to Spokane. The surveyors of the road have been in the field all winter and have reached Spokane. They surveyed up the Spokane River from the Columbia River, and have joined their lines to the old roadbed of the Seattle, Lake Shore & Eastern. W. T. Beck is Pres., and J. E. McFarland is Secy., both of Republic, Wash.

SUMPTER & NORTHWEST.—D. L. Killen, of Killen, Warner & Stewart, Baker City, Ore., announces that this railway will be constructed this summer. Work is to begin soon.

TOMBSTONE & SOUTHERN.—This company, it is stated, will make a second connection with the El Paso & Southwestern Ry. from Tombstone. The road will be ten miles long and will have its terminus at Charleston, a few miles south of present transfer point, Fairbanks. The road is to be built by the Tombstone Consolidated Mines Co.

THOMASVILLE & DENTON.—THE PROBST CONSTRUCTION CO., of Charlotte, N. C., which has contract for eight miles of grading, has been awarded contract for an additional ten miles. The line will be further extended when necessary right of way is secured. E. L. Probst is Pres. of Co. M. L. Jones, Thomasville, N. C., is interested.

VANCOUVER, WESTMINSTER & YUKON.—It is planned to build northward from Vancouver, B. C., if authority is granted by provincial government. As now projected it would leave Vancouver, cross the Burrard Inlet by bridge, thence proceed by the Squamish valley to Pemberton Meadows; thence to Lillooet, to Quesnel, to Fort George and to a point at or near Fort McLeod, a total distance of 520 miles. Preliminary surveys already made to the Blackwater river, 50 miles north of Quesnel, show that the line will be an expensive one to build on account of the difficulty in securing an easy grade. The company promises to complete the road as far as Squamish (45 miles) in three years; to reach Lillooet (113 miles) in four years; Quesnel (182 miles), Fort George (80 miles) and Fort McLeod (110 miles), to be reached in seven years. F. Van Sant, Victoria, B. C., is Gen. Supt.

WABASH-PITTSBURG TERMINAL.—The contract for concrete work on proposed South side elevated branch of the Wabash Ry. in Pittsburg, Pa., was awarded to the FRIDAY CONRACTING CO., of Pittsburg. Cost, $50,000.

WADLEY & MOUNT VERNON.—This company, the Douglas, Augusta & Gulf and the Ocilla, Pinebloom & Valdosta railroads have passed into the hands of J. E. Wadley, J. S. Bailey and G. C. Parker, of Waycross, Ga. New owners will at once proceed to build a line from Augusta to some point on the Gulf, it is reported. The new officers of the consolidated roads will be J. E. Wadley, Pres., and Gen. Mgr.; J. S. Bailey, Vice-Pres. and G. G. Parker, Supt. of Construction.

WISCONSIN.—C. T. Reynolds, a real estate dealers, of Milweukee, has plans under way to build a railway in that city. Estimated cost is $2,000,000.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

DUQUESNE, PA.—The State Department has granted a charter to Duquesne & Lincoln Place Street Ry. Co., to build four miles of track in Allegheny County, from Lincoln Place to borough of Duquesne. Capital, $25,000. J. C. Lange, of Pittsburg, is Pres.

AMBRIDGE, PA.—A charter has been granted to Ambridge Borough Street Ry. Co. Capital, $9,000. A line will be built, 1½ miles in length, in borough of Ambridge. James S. Campbell, of Sewickley, is Pres.

PATTON, PA.—The Construction of Northern Cambria Street Railway between Patton and Barnesboro, twelve miles of the twenty-five miles in contemplation, is now assured, the finances being in hand. Line will be interurban, steam road construction. Power plant will be built at first for 600 HP., and arranged for extensions. Will use direct current 550 volts. President W. H. Denlinger, Patton, Pres.; E. W. Hess, Clearfield, Pa., Engr.; Tennis Bros.' Construction Co., Pittsburg, Pa., contractors.

NORFOLK, VA.—The Norfolk Railway & Light Co. has been granted the right to lay tracks in Maltby Ave., Brambleton. R. Lancaster Williams is Pres., Richmond.

GAINESVILLE, GA.—The Gainesville Electric Ry. Co., which is to build an electric railway eight miles in length, has been chartered with a capital stock of $300,000. Incorporators: A. J. Warner, W. H. Slack, F. P. Catchings, Z. T. Castleberry, and others of Lumpkin, and C. M. Merrick, of New Briton, Pa.

LIVE OAK, FLA.—[illegible] Suwannee Springs Ry. Co. has been granted a franchise to build and operate an electric line through the streets of Live Oak. The company will also build a line from here to Suwannee Springs, a distance of seven miles. The principal stockholders are: C. [illegible]hee, F. L. Rees and B. W. Helvenston.

MONTGOMERY, ALA.—The present Court St. line of Montgomery [illegible] Ry. Co. will be extended one mile on [illegible] Ave. Wm. J. Ginnavan is Gen. Mgr., Mobile.

MONTGOMERY, ALA.—The Montgomery Traction Co. has placed mortgage for $2,000,000 for the purpose of making improvements and extensions. A [illegible] line three miles in length, will be con[illegible] out Madison Ave. to Electric Park. Contract for this work has been let. E. [illegible] Winters is Gen. Mgr.

HATTIESBURG, MISS.—The Hattiesburg Traction, Light & Fuel Co. has been chartered with a capital stock of $250,000. Incorporators: H. L. McK[illegible] A. Witherspoon, of Meridian; A. F. Tho[illegible] of Hattiesburg, and others. Work on the [illegible] railway will commence by July 1.

HATTIESBURG, MISS.—[illegible] Z. George & Co., New Orleans, La., has been in conference with stockholders of Hattiesburg Traction, Light & Fuel Co., relative to construction of an electric [illegible] line. The plans are being made, the [illegible] selected, and contract will soon be awarded.

KNOXVILLE, TENN.—[illegible] Atkin, who purchased the Fountain [illegible] Railroad, announces that Howard K[illegible] of this city, is associated with him, and that they will improve the property and change the dummy line to an electric road.

NASHVILLE, TENN.—The Nashville Interurban Ry. Co. has increased its capital stock from $50,000 to $400,000. The company is the consolidation of two companies which proposed to build electric lines from Nashville to Columbia and Gallatin. W. J. Whitthorne, Joseph Frank, J. H. Connor and others compose the board of directors.

NASHVILLE, TENN.—It is reported that contracts are to be let at once for building an interurban railway from this city to Franklin, Tenn., a distance of 18 miles. A line is also projected to Columbia and Gallatin.

UNION CITY, TENN.—An electric railway will be built from Paducah [illegible] through Union City, to Tiptonville, through Troy, Hornbeak and Bamburg, and will be 40 miles long. Dr. W. M. Turner and others are the promoters. The estimated cost, including power house and two sub-stations, will be about $600,000.

CARROLLTON, KY.—The Carrollton & Worthville R. R. Co., organized to build an electric road nine miles in length, has been incorporated with a capital of $50,000. Incorporators: A. Z. Boyer, Theodore Snively, Chas. E. Davis and others, of Louisville.

GALION, O.—It is announced that the Galion Southern Electric Ry. Co. will commence construction work as soon as weather will permit. The line will extend south from Galion to Blooming Grove, Johnsville and Fredericktown.

TOLEDO, O.—The Toledo, Port Clinton Co. has placed a contract with CARNEGIE COMPANY for steel for the building of extension to Lakeside. CHAS. WARNER will do the grading, and a contract has been placed with WM. MILLER, of Toledo, for power station building. All improvements are to be completed by July 1.

VAN WERT, O.—The Fort Wayne, Van Wert & Lima Traction Co. has awarded to CAMBRIA STEEL CO., of Johnstown, Pa., the contract for all steel rails to be used in construction of unfinished section of line from Van Wert to Fort Wayne, 33 miles in length.

TERRE HAUTE, IND.—The Board Public Works has granted a franchise to Terre Haute & Indiana Southern Ry. Co., for the use of one street from southern city limits to center of city. W. H. Schott, Engr., is Pres., Marquette Bldg., Chicago, Ill.

INDIANAPOLIS, IND.—We are informed that the survey of Indianapolis & Chicago Air Line Traction Co. has been practically completed and most of the right of way obtained. The line will extend from Indianapolis to Chicago, a distance of 175 miles. The company is figuring with contract firms and finance company. Chas. J. Raub, Vice-Pres., Chalmers, Ind., and John A. Shafer, Engr., 342[illegible] Kenwood Ave., Indianapolis.

LANSING, MICH.—M. W. Mills, Pres. Lansing & Jackson Ry. Co., Marysville, Mich., writes us that the contract for the line 3[illegible] miles long, has been let to L. E. MEYERS CO., of Chicago, Ill. Construction to begin May 1. T. M. Keeley is Ch. Engr., Lansing.

SPEARFISH, S. DAK.—Articles of incorporation have been filed with Secretary of State for Black Hills Traction Co. with headquarters at Spearfish. Capital, $100,000. The purpose of the company is to construct an electric railway from Deadwood and Lead to Bell Fourche, via Spearfish, and supply electricity for lights and power along line of road. Incorporators: Richard B. Hughes, Henry Keets, James F. Summ[illegible] and others, all of Spearfish.

GAINESVILLE, TEX.—City Council has granted a franchise to Edwin [illegible] O'Bierne, of Memphis, Tenn., and associates, for an electric street railway in this city. Work must begin within six months. C[illegible] must be in operation by July 1, 1906.

HAMILTON, TEX.—An electric railway will be built from Stephenville to this city, a distance of 42 miles. J. L. Spurlin, Pres. Business Men's Club, can give information.

SAN MARCOS, TEX.—It is announced that the committee of citizens from Luling and San Marcos, have concluded arrangements with A. T. Fisher, of Boston, Mass., for the immediate construction of an electric railway from Luling to San Marcos, about 25 miles. B. J. Neighbors, of San Marcos, is one of the chief promoters.

COLORADO SPRINGS, COLO.—The Florence Electric Street Ry. Co., Thos. Robinson, Pres., will build a 700-HP. station at Florence, also a 3,000-HP. station between Cannon City and Colorado Springs, to be used in running proposed lines.

NATIONAL CITY, CAL.—The franchise for an electric railway has been awarded to L. J. WILD[illegible] of Los Angeles, who is allowed four months in which to commence road and two years in which to complete it.

VANCOUVER, B. C.—The directors of British Columbia Electric Ry. Co. have approved of an agreement providing for the electrical operation of a railway line between Vancouver and Stevenson. J. Buntzen is Gen. Mgr., Vancouver.

MONTREAL, QUE.—The Montreal Electric Street Ry. Co. proposes to issue $1,000,000 of bonds and has called a meeting of shareholders for May 8 to authorize the same. The money is to be used for betterments and general purposes. Hon. L. J. Forget is Pres., and [illegible] M. Hannaford, Ch. Engr.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

EASTHAMPTON, MASS.—The Easthampton Gas Co. will build a new electric plant to replace the present one or entirely remodel the plant. New equipment will be installed. William Martin is Ch. Electrician; Geo. L. Manchester is Mgr.

HOLYOKE, MASS.—The Holyoke Water Power Co. will construct a plant on the Connecticut River at cost of $125,000. Power will be distributed in Hampden and Hampshire counties. Authority was granted for this enterprise by legislature in May, 1903. R. C. Winchester, Treasurer, may be addressed. J. M. Sickman is Engr.

NEW YORK, N. Y.—Ralph J. F. Gerstle, 347 East 44th St., was lowest bidder, at $49,391, for constructing an electric lighting station and equipment at Tompkins St. and Delancey slip, Boro. Manhattan, for the Williamsburg bridge. Johnston Livingston, Jr. Co.'s bid was $49,679. George E. Best, Park Row Bldg., New York, is Comr. of Bridges.

The New York Edison Co., 55 Duane St., will take figures soon on power house that will be built on First Ave., 39th to 40th Sts.

The New York & Virginia Copper Co., 31 Nassau St., will receive estimates soon on complete power plant and mining equipment. Col. Dun is Pres.

PRINCEBAY, N. Y.—A power house will be erected at Pleasant Plains, Staten Island, for the institution buildings of the Mission of the Immaculate Conception. R. F. Almirall, 51 Chambers St., New York, is Arch.; Frank Sutton, 91 Wall St., is Consulting Engr. Boilers, engines, generators and motors will be needed.

NIAGARA FALLS, N. Y.—Bids are stated to have been received by the Niagara, Lockport & Ontario Power Co. for erection of two transformer stations, 30 × 150 ft., two stories high, at the Crandall farm, below the Devil's Hole. Estimated cost, $50,000.

NEW YORK, N. Y.—Mayor George B. McClellan may go before Senate Cities Committee at Albany in the interest of his water supply bill, to protest against the proposal to deprive the city of the right to use the fall of water, the rights to which the city is to acquire, for generating electric power for public lighting purposes. The main reservoir that is being planned by the city is in the Esopus watershed and will be 16 miles long and about four miles wide, and over the dam that is to be constructed there will be a water fall of several hundred feet. It is said that this fall, and flows from other heights which the city will take possession of if the bill drawn at the suggestion of the Mayor passes the legislature, would supply enough power to provide all the electric lighting the city needs for its streets and public buildings.

BUFFALO, N. Y.—We are informed that the Buffalo Pole Line Construction Co. has been incorporated to do a contracting business and to build power plants and telephone systems. Clarion S. Saunders is Pres. Capital is $10,000.

BEVERLY, N. J.—Council has awarded a contract for lighting the city with electric lights for five years to the CINNAMINSON ELECTRIC LIGHT POWER AND HEATING CO., of Riverside, at $2,850 a year.

HOBOKEN, N. J.—A power station is to be erected in connection with the Delaware, Lackawanna & Western Ry. terminal at Hoboken. Kenneth M. Murchinson, Jr., 5 West 31st St., New York, is Arch. Boilers, engines and generators will be required.

JERSEY CITY, N. J.—Clinton & Russell, 32 Nassau St., New York, are architects and engineers for power house to be erected for Jersey City Board of Health. Architects will take figures about May 1 on boilers, engines, etc.

PITTSBURG, PA.—Bids are asked until May 12 for building a power house at each of dams 3, 4 and 5 on Ohio River. William L. Sibert, U. S. Engrs.

ASHLAND, VA.—A franchise for installing electric-light plant will be sold by town. The Mayor may be addressed.

LYNCHBURG, VA.—The Home Acetylene Gas Co. will increase its capital stock to $100,000. The capacity of plant will be increased.

RICHMOND, VA.—Bids are asked until May 8 for construction of about 3½ miles of 16-in. pipe line to supply gas under pressure to new gas holder; bids are wanted also for brick boiler house, steel smokestack, pipe connections, drip pots, etc. W. P. Knowles, Supt. City Gas Works. (Advertised, Engineering News.)

SPARTANBURG, S. C.—Ladshaw & Ladshaw, Civil and Hydraulic Engrs., Spartanburg, are making surveys of Nesbitt's Shoal, we are informed, for hydro-electric transmission of 5,000 HP. to this city, for the Electric Mfg. & Power Co. Transmission line will be 16 miles long. The power is to be used for general purposes in and around this city. The engineers will have plans, specifications and estimates ready about June 1. Contracts for machinery will be let in about six months. Construction will commence in about two months..

HAWKINSVILLE, GA.—City may issue $15,000 of bonds for an electric-light plant.

EVERGREEN, ALA.—It is stated that John W. Stewart, of Evergreen, wants "information as to plans and machinery for the development of water power. Steam to be developed flows 20,000 gallons per hour at low stage and double that at other times. Mr. Stewart wants to obtain full details regarding best ways and means for a modern system."

HATTIESBURG, MISS.—J. L. Kearney of Hattiesburg; H. L. McKee of Meridian, Miss.; and H. A. Camp of Lumberton, Miss., have secured franchise to construct and operate electric light and power plant, and will organize company for this purpose. Plant will cost $100,000, according to a newspaper report.

NEWPORT, KY.—Bids are asked until June 8 for supplying city with gas for 20 years. J. B. Morlidge is Cy. Engr.

LAWRENCEBURG, KY.—The Lawrenceburg Electric Light Co., which has a franchise to construct and operate electric light plant, will build a plant with a capacity of 25 arc and 2,000 incandescent, lights, alternating or direct current. Chas. B. Strother is Engr. in Charge.

KNOXVILLE, TENN.—James B. Cahoon, Engr., 42 Broadway, New York, informs us that he has made an examination and report with recommendation regarding power development for the Knoxville Power Co. on Little Tennessee River. No definite steps have been taken. Noted on April 6.

HOMER, LA.—Chas. H. Levy, Consulting Engr., Shreveport, states that it is proposed to construct water-works and an electric light plant at Homer. Cost, $20,000.

COLLIERVILLE, TENN.—Kirkpatrick & Johnson of Jackson, Miss., are Engrs. for an electric light plant for Collierville.

CHATTANOOGA, TENN.—C. E. James and J. C. Guild, who hold the right from the United States Government to harness the water power of the Tennessee River at Chattanooga, are negotiating with New York capitalists for the financing of the scheme. The time limit on this project expired on April 26. It is expected that negotiations will be closed soon and that the big power plant will be erected with a capacity of 50,000 HP.

LOCKLAND, O.—City is reported to have voted to issue $27,000 of bonds for extending water mains and enlarging the electric light plant.

MADISON, O.—The Geneva Illuminating Co., of Geneva, has petitioned council for a franchise to light the city from its plant at Geneva which is six miles distant. W. A. Scott is Cy. Clk.

BELLEFONTAINE, O.—Fred. Spittle, City Clk., has stated that it was voted April 10 to issue $50,000 of bonds for improving the municipal electric light plant. William Wright is Ch. Engr.

READING (Cincinnati Post-Office Station), O.—Village council has decided to issue $27,000 of bonds for an electric lighting and water-works plant.

TOLEDO, O.—Detailed plans, specifications and estimates of the cost of 2,000-arc municipal lighting plant for Toledo are being prepared by the Westinghouse Electric and Manufacturing Co., of Pittsburg; the General Electric Co., of Schenectady, N. Y., and the Allis-Chalmers Co., of Milwaukee. These companies are also preparing tables showing probable cost of operating such a plant in this city. The matter of building a municipal plant may be submitted to voters in November.

PORT CLINTON, O.—The contract for the erection of the new power house at Port Clinton for the Toledo, Port Clinton & Lakeside Electric Co., was let to WILLIAM MILLER, of Toledo. The work of grading for the completion of the line from Port Clinton to Lakeside was let to CHARLES WARNER, also of Toledo.

CLEVELAND, O.—The Cleveland Electric Illuminating Co., 711 Cuyahoga Bldg., will erect a lighting station, at 1845 Doan St. It will be a 1-story brick building, 37 × 75 ft. Cost, $15,000. JOHN GILL & SONS, 1405 Williamson Bldg., have the contract for the building.

CONNERSVILLE, IND.—The Connersville Light, Heat & Power Co. will invite bids for improvements, to cost $25,000.

SHELBYVILLE, IND.—The Board of Commissioners is asking for bids for the construction of a heat, light and water plant for the county jail. Thos. Hawingo is County Audr.

PLAINFIELD, IND.—The contract for an electric linght plant in this place has been let to W. W. WILSON, of Danville. The plant is to be installed by September. The town council has contracted with FERGUSON, MATTHEWS & CO., of Indianapolis, for 1½ miles of cement sidewalk.

CALUMET, MICH.—The Copper Range Gas Co. will build a gas plant in Red Jacket. Charles A. Burr, of Rochester, Mich., is Treasurer.

MUSKEGON, MICH.—M. B. Wheeler Co., of Grand Rapids, has been awarded a 25-year franchise to light the city street with electric power from dams on White River.

GRAND RAPIDS, MICH.—The Menominee River Boom Co. has granted to William Holmes, of Menominee, the right to build a dam for water power purposes at Grand Rapids, about 15 miles from Marinette and Menominee. Mr. Holmes had a bill passed through the Michigan legislature and one has been introduced in the Wisconsin legislature granting him a charter for a dam.

JACKSON, MICH. — HENRY VANDER HORST, of Kalamazoo, was awarded the contract for the building for a steam power plant for the Commonwealth Power Co., at $16,000; THE WEBBER STEEL CEMENT CHIMNEY CO., of Chicago, the contract for the smoke stack at $4,000; THE GENERAL ELECTRIC CO. the contract for all the electrical machinery, and the ATLAS ENGINE CO. the contract for the boilers. According to the builders' contracts, the building is to be complete by July 15.

EAST ST. LOUIS, ILL.—We are informed that city council has passed an ordinance granting the St. Clair Light & Power Co. permission to erect poles and wires and to furnish light and power, provided the company will erect a power house to cost not less than $500,000 in one year. R. W. Sikking is Secy. of the company, at 136 Collinsville Ave., East St. Louis.

CHICAGO, ILL.—It is reported that the People's Gas Light & Coke Co. will expend about $5,000,000 on its plants in this city. The general plan is said to include the installation of an entirely new system of manufacturing gas.

LOCKPORT, ILL.—The Chicago Sanitary District has awarded contract for power house at Lockport to the HAYES BROS. CO., of Janesville, Wis., at $293,492. This was the lowest of the ten bids received. Itemized bids are given under Contract Prices. Full notice made on April 20.

STOUGHTON, WIS.—City has voted to issue $25,000 of bonds for a municipal lighting plant.

MILWAUKEE, WIS.—Howland Russel, 106 Mason St., is reported to be preparing plans for a central power plant for the Milwaukee-Downer College. Cost of building and equipment will be about $10,000.

EAGLEGROVE, IA.—The Citizens' Light, Heat & Power Co., which has been granted a franchise for a gas plant, will be in the market for wrought and cast iron pipe, valves, etc., also some boxes and fittings.

TAYLORS FALLS, MINN.—The contracts for development of the power at Taylors Falls have been let by the Minneapolis General Electric Co. THOMAS FEE & CO., of Chicago, will built the 50-foot concrete dam; the WESTINGHOUSE COMPANY, of Pittsburg, will install the generators, and the water-wheels will be furnished by the PLATT IRON WORKS, of Dayton, O. The power house will cost about $500,000. The electric current will be transmitted to St. Paul and Minneapolis and adjacent towns.

ST. PAUL, MINN.—The St. Paul Light Co. will lay ten miles of mains this year. Paul Doty, Vice-Pres., may be addressed.

MELROSE, MINN.—Bids are asked until May 2, 8 p. m., for plans and specifications for an electric light plant. F. J. Weisser is Cy. Clk.

WAVERLY, KAN.—Contracts for constructing an electric light plant have been awarded as follows: For engine, boiler, pipe and fittings, ENGLISH IRON WORKS, Kansas City, Mo.; generator exciter and switchboard, HODGE-WALSH ELECTRICAL CO., Kansas City, Mo.; heater, trap separators, feed pump etc, KANSAS CITY ENGINEERING CO.; lamp and pole line equipment to the B-R ELECTRIC CO., of Kansas City, Mo. W. K. Palmer, Kansas City, Mo., is Engr.

GIRARD, KAN.—City has engaged W. K. Palmer, Consulting Engr., Kansas City, Mo., in connection with improvements about to be made in the electric lighting plant and water-works of that city.

GRAND FORKS, N. DAK.—J. J. Smith, Cy. Engr., writes us that city has voted $30,000 for installing a municipal and commercial lighting plant. No plans have been drawn.

FULTON, MO.—Bids are asked by Board of Managers of the State Hospital for the Insane, No. 1, until May 9 for additions and changes in pipe work for power and heating plants, and the addition of a vacuum system. M. F. Bell, Fulton, Mo., is Arch; William H. Bryan, St. Louis, Consulting Engr.

SULPHUR, IND. T.—DUNCAN-HOBSON ELECTRIC CO., of Dallas, Tex., has contract for the installation of electric light plant. Building will be 95 × 40 ft., equipped with 200-HP. general lighting circuit, street lighting circuit and day current. About $20,000 will be expended, it is reported.

TRINIDAD, COLO.—ST. JOHN & BARNES, of Colorado Springs, have contract to build a steam heating plant here, at $25,000.

ABERDEEN, WASH.—Reid & Briggs are reported to be preparing plans for an extensive addition to the plant of the Gray's Harbor Lighting Co. at East Aberdeen. E. A. Bradner is Ch. Engr., Hoquiam; George E. Moffatt, Aberdeen, is Mgr. and Supt.

SAN FRANCISCO, CAL.—H. B. Muir, of Willits, Cal.; R. E. Donohoe and W. P. Thomas, of Ukiah; W. W. Van Arsdale, and F. D. Madison, of San Francisco, have incorporated the Eel River Power & Irrigation Co. Capital stock is $500,000. Office is given as 77 Crocker Building, care of Scott & Van Arsdale.

SANTA MONICA, CAL.—Franchise for gas system has been granted to C. O. Hawley, of the Edison Electric Co.

SAN DIEGO, CAL.—H. M. Byllesby & Co. have been appointed managers and engineers of the gas and electric properties of the San Diego Consolidated Gas & Electric Co.

WEISER, IDAHO.—Two propositions are under consideration here for power plants on Weiser River: One with A. E. Fox as engineer, for a plant to cost $50,000, the other with C. W. Luck as engineer, for a plant further up the river.

CHARLOTTETOWN, P. E. I.—W. W. Clark, City Clk., states that it is proposed to apply to legislature for permission to construct electric light plant, at probable cost of $75,000.

CARBERRY, MAN.—Robert A. Garland, Village Clk., writes us that J. H. Boyes, of Portage la Prairie, Man., is interested in project to establish an electric light plant in Carberry.

GUELPH, ONT.—We are informed that this city has engaged J. C. Walker, of Windsor, Ont., to report on the improvement of the city gas plant. Mr. Walker's report recommends a reconstruction of the works, building new holders and laying new distributing mains; this would cost about $65,000. An election will be held and if this amount be raised the work will be undertaken this year. John Yale is Mgr., and John I. Heeg, Ch. Engr. J. Hutcheon is Cy. Engr.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

LENOXDALE, MASS.—It is stated that bids will soon be received for constructing a steel bridge at Lenoxdale, at a probable cost of $5,000. Isaac J. Newton is Town Clk.

BOSTON, MASS.—We are informed that plans for a bridge across Charles River at Boylston St. have not yet been prepared by Metropolitan Park Commission, but probably will be during the next two months. J. R. Rablin, Engr., 14 Beacon St., Boston.

ALBANY, N. Y.—We are informed that N. V. V. Franchot, Supt. Pub. Wks., awarded to ROCHESTER BRIDGE & CONSTRUCTION CO., of Montour Falls, N. Y., the contract for constructing superstructure of lift bridge at Willow St. for $13,259. Bids were opened April 19.

NEW YORK, N. Y.—Bids were opened April 20 by Louis F. Haffen, Pres. Boro. Bronx, for constructing approaches to bridges over New York Central Railroad and New York & Putnam Railroad at Depot Place and West 177th St. The contract was awarded to GALLO & PETTELLI, 127 Mulberry St., for $99,115.

TRENTON, N. J.—Bids are asked by Board of Chosen Freeholders until May 2 for construction of an iron pipe culvert and masonry retaining walls for two bridges in Hopewell Township. Thos. E. Raub, Dir.

JERSEY CITY, N. J.—Bids are asked by Board Chosen Freeholders until May 4 for constructing a highway bridge over Bowers St., at Ogden Ave. John P. Egan, Clk.

NEW BLOOMFIELD, PA.—Bids are asked by County Commissioners until May 1 for painting five bridges in Perry County.

PITTSBURG, PA.—We are informed that bids are asked until May 17 for construction of a stone arch bridge on Lincoln Ave., crossing Beechwood Boulevard. Bridge will be 50 ft. wide and will consist of two spans 130 ft. each. Appropriation is $151,000. Bids are to be received on May 5 for a considerable amount of grading, paving, curbing, sewers, and two small retaining walls. A. W. Burk, Supt. Bureau Construction, Dept. Public Works.

VICKSBURG, MISS.—Bids are asked by J. D. Laughlin, Ch. Clk., until May 1, noon, for repairing Haynes Bluff bridge.

JACKSON, MISS.—It is proposed to construct a bridge over Town Creek on Rankin St., at a probable cost of $5,000. L. D. Lott is Cy. Clk.

CLEVELAND, O.—Bids are asked by County Commissioners until May 17 for construction of masonry abutments for a steel bridge in Solon Township. Wm. H. Evers, Engr., 237 The Arcade.

COLUMBUS, O.—Bids will be received by L. E. Jones, County Audr., until May 8 for $20,000 bridge bonds.

CLEVELAND, O.—We are informed that the following were the lowest bidder for constructing various steel bridges in county; bids opened April 12: Brookville (O.) Bridge Works, 91-ft. span, $2,550; 60-ft., $1,180; 54-ft., $1,100; 32-ft., $688. King Bridge Co., Cleveland, 30-ft., $714; 21-ft., $360; 32-ft., $747; 40-ft., $996; 40-ft., $985; 22-ft., $360; 32-ft., $740. West Virginia Bridge & Const. Co., Wheeling, W. Va., 40-ft., $697; 29-ft., $545; 18-ft., $299. Grun & Chutt, Cleveland, 32-ft., $544. Wm. H. Evers, County Engr.

ZANESVILLE, O.—Plans have been prepared for remodeling Sixth St. bridge. Cost, $2,000. L. West, County Surv.

FORT WAYNE, IND.—J. L. Smith, County Audr., will receive bids during the summer for construction of 40 reinforced concrete arches. Bids will also be received this year for two iron and steel bridges, one 200 ft. and the other 320 ft.

SOUTH BEND, IND. — This (St. Joseph) county will construct several small concrete arches this year. J. W. Harbou, County Audr.

VINCENNES, IND.—Bids are asked by John T. Scott, County Audr., until May 3, noon, for construction of six steel bridges.

PORTLAND, IND.—Bids are asked by County Commissioners until May 1, 10 a. m., for construction of 60-ft. steel bridge in Wabash Township. Plans and specifications on file in office of County Auditor.

Bids will be received at same time and place for construction of a steel bridge in Jackson Township.

PLYMOUTH, IND.—H. L. Singrey, County Audr., will receive bids until May 2, 1 p. m., for construction of an iron bridge, 50 ft. long.

HARTFORD CITY, IND.—Bids will be received by S. C. Johnson, County Audr., until May 1, 2 p. m., for construction of three concrete steel bridges, one 10-ft. span, one 18-ft. and one 24-ft.

LYONS, MICH.—The city has voted to issue $12,000 bonds to construct a bridge over Maple River.

GALESBURG, ILL.—The Bridge Committee of Board of Supervisors contemplates the construction of several small steel bridges. J. L. Burkhalter, Chn.

MT. CARROLL, ILL.—The City Clerk writes us that bids will be received until May 19 for construction of an iron bridge, 300 ft. long, over Carroll Creek. Est. cost, $7,000.

GALENA, ILL.—Bridge Committee of Board of Supervisors let contract for a $1,000 bridge in Guilford Township to DARST & HUGHES, of Chicago.

WAUPACA, WIS.—Bids will be received by County Clerk until May 2 for construction of stone arch bridge at Dayton.

MILWAUKEE, WIS.—The following bids were received by Park Commission for steel and cement bridge at Lake Park: F. L. Sivyer, $12,798; D. B. Danielson, $6,292; Newton Engineering Co., 106 Mason St., Milwaukee, $6,246.

CROOKSTON, MINN.—County Commissioners let contract to NELS H. EGELAND, of Gully, Minn., for construction of pile bridge across Lost River at Chester. N. A. Hofford, County Audr.

MINNEAPOLIS, MINN.—It is stated that bids will be received by Andrew Rinker, Cy. Clk., for painting the newly completed 321 Ave. North bridge; five steel spans, 630 ft. long.

ANOKA, MINN.—Contract for constructing two bridges was let to J. F. LAMOTTE, Centerville, Minn. Arthur A. Caswell, County Audr.

DULUTH, MINN.—Bids are asked by O. Halden, County Audr., until May 5 for construction of a steel bridge across St. Louis River at Floodwood, to be 200 ft. span, 16 ft. between trusses, on steel cased piers of three piling with concrete filling not less than 3 ft. in diameter with two 18-ft. approaches. Plans and specifications to be furnished by bidder.

PEMBINA, N. DAK.—Bids are asked by County Commissioners until May 10 for furnishing material and constructing eight steel bridges. Swain Thorwaldson, County Audr.

LANGDON, N. DAK.—A bridge is to be built in Fremont Township, this (Cavalier) county, at a cost of $4,200, and the FARGO (N. Dak.) BRIDGE & IRON CO. has the contract.

OLIVET, S. DAK.—Bids are asked by J. W. Wipf, County Audr., until May 8 for constructing eight steel bridges.

EDINA, MO.—Bids will be received up to May 3, 2 p. m., for constructing two steel bridges. Thos. Conway, Rd. & Bdge. Comr.

FORT SMITH, ARK.—Bids are asked by County Clerk until May 1 for erecting an 80-ft. span steel bridge across Vace Grasses Creek. Cost, $3,500.

Bids will be received at same time and place for repairs to approaches to steel bridge near Hackett, to cost about $1,000. Wm. A. Falconer, County Judge.

GUTHRIE, OKLA.—County Commissioners let contract for repair of two bridges on Cimarron River to ROY TEAL for $1,250.

OREGON CITY, ORE.—It is reported that a bridge will be constructed over Clackamas River at a cost of $11,000.

TILLAMOOK, ORE.—G. B. Lamb, County Clk., informs us that W. D. WOOD, Bay City, Ore., was awarded contract for bridge over North Nehalem River, for $1,600.

STOCKTON, CAL.—Bids are asked by Board of Supervisors until May 2 for Grant Line Canal bridge which consists of one 231-ft. draw span, one 126-ft., one 70-ft., and one 60-ft. fixed spans. Steel tubes for foundation. F. E. Quail, Engr.

OAKLAND, CAL.—W. J. SCHMIDT was granted contract by Board of Supervisors for grading and draining county road No. 3333 and construction of necessary bridges, for $49,500.

SONORA, CAL.—HEALY, TIBBETS & CO., 22 Market St., San Francisco, has been awarded contract for construction of three bridges, at $1,076, $1,827 and $1,649, respectively.

STRATFORD, ONT.—County Council has appointed a committee to engage an engineer to prepare plans for new bridge over Thames River.

SEAFORTH, ONT.—Morris Council has instructed County Engineer to prepare plans for a steel bridge, with cement abutments, to be built over river near Bodmin; span, 110 ft.

OWEN SOUND, ONT.—Sealed tenders will be received by R. Nicolson Reeve, of Tara, Ont., until May 1, 6 p. m., for construction of two concrete abutments containing some 200 cu. yds., and three steel bridges, each 100-ft. span. R. McDowall, Engr., Owen Sound.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

LYNN, MASS.—The Fuller Claflin Theatrical Co., 1440 Broadway, New York, has plans for a theatre for Lynn. It will be of brick and steel fireproof construction, 52 × 112 ft., 45 ft. high, with Indiana limestone trimmings. Seating capacity will be 1,200. Harry Katzes is local mgr.

SPRINGFIELD, MASS.—Council has appropriated $23,000 for fireproofing the technical high school.

FT. GREBLE, R. I.—CHAS. J. SONDERMAN, Newport, R. I., was awarded the contract to raise building No. 21 (old post exchange), and to make various repairs and alterations.

BOSTON, MASS.—Cass Gilbert, Arch., 79 Wall St., New York, is reported to be taking figures on a 2-story fireproof bank building, 80 × 100 ft., to be erected at Pemberton Sq. for the Suffolk Savings Bank of Boston.

NARRAGANSETT PIER, R. I.—JOHN BRISTOL, of Narragansett Pier, is reported to have contract for rebuilding Casino here. The Sherry Casino Co., which will manage the new casino, was recently organized with a capital stock of $300,000 by Louis Sherry, of New York; John H. Hanan, of Brookline; W. Herbert Caswell, Albert B. Craft and Capt. Harry B. Kane, of Narragansett Pier.

PROVIDENCE, R. I.—Commission recommends that court house be built on Benefit St., at cost of about $275,000. Martin & Hall, Archs., Union Trust Bldg., will be commissioned to prepare plans.

NEW YORK, N. Y.—Maynicke & Francke, Archs., 298 Fifth Ave., will prepare plans for an hotel to replace the Metropolitan Hotel at Broadway and 27th St. An isolated power plant will be installed.

August Belmont, 44 East 34th St., will erect an office building, eight stories high, 25 × 70 ft., at Park Row and Ann St. Robertson & Potter, 160 Fifth Ave., are the Archs.

The Geo. A. Fuller Co. will soon begin construction on an office building at 115 Broadway, to conform in style of architecture with new Trinity Building. Francis H. Kimball, 71 Broadway, is Arch. Building is to be fireproof, 24 stories high, 70 × 180 ft. An isolated power plant will be installed; also an inter-communicating telephone system and fire alarm signal system. Griggs & Holbrook, 25 Broad St., are Engrs.

Raymond F. Almirall, 51 Chambers St., is architect for new municipal lodging-house to be built at 24th St. and First Ave. If a culinary department is installed an extensive refrigerating plant would be required. There will be an isolated power plant. Boilers, engines, generators, motors, blowers, direct heating system, extensive plumbing and inter-communicating telephone systems will be installed, also electric elevators.

NEW YORK, N. Y.—Francis H. Kimball, 71 Broadway, is architect for alterations to Casino Theatre at Broadway and 39th St.

NEW YORK, N. Y.—Four bids were received on April 24 for the second contract for mason, iron, marble, carpenter, elevator and electric work on buildings for College of the City of New York, at 140th St., St. Nicholas Terrace, Amsterdam Ave. and 138th St., as follows: Thomas Dwyer, 140th St. and Amsterdam Ave., $880,660; L. Wecholer, 1133 Broadway, $989,000; C. W. Gilpin, Pennsylvania Bldg., Philadelphia, $938,000; V. J. Hedden & Sons Co., 1 Madison Ave., $888,776. Bids also received for second contract for the heating and ventilating work: Gillis & Geoghegan, 537 West Broadway, $229,900; Blake & Williams, 211 West 20th St., $285,418; United Heating Co., 174 Wooster St., $252,421; E. Rutzler Co., 127 White St., $264,275; Geo. A. Suter & Co., 112 Wooster St., $243,000. Bids also received for second contract for plumbing work: W. H. Spellman, 112 West 38th St., at $93,870; and William Hill & Son, 618 Sixth Ave., at $95,432, were two lowest bidders.

WILLIAM CRAWFORD, 5 East 42d St., was awarded general contract for addition to Y. M. C. A. building on 23d St. Parish & Schroeder, 5 West 31st St., are Archs.

Frederick C. Browne, 143 West 125th St., is drawing plans for a 12½-story apartment hotel, 65 × 100 ft., to be built at 105-111 West 71st St. for the Oak Realty Co. Cost, $300,000.

NEW YORK, N. Y.—Charles F. Rose, 1 Madison Ave., is architect for extensive addition to Sherry's Cafe at 44th St. and Fifth Ave. New boilers, engines, generators will be required.

T. B. Post & Son, 35 East 17th St., are architects for new office building to be erected at Gramercy Park by the Arts Club of New York. Pattison Bros., Fuller Bldg., are Electrical Engrs. An isolated power plant will be installed. Plans have not been started.

NEW YORK, N. Y.—The Star Theatre Co. will erect a theatre in the Bronx. Neville & Bagge, 215 West 125th St., are Archs. There will be an isolated power plant. W. H. Winter, 107th St. and Lexington Ave., is in charge of project.

It is rumored that McKim, Mead & White, 160 Fifth Ave., are architects for a large office building and terminal to be built by the Hudson Tunnel Co. on block bounded by Cortlandt, Church, Dey and Greenwich Sts.

Bids will be received by Michael J. Garvin, 3307 Third Ave., for a theatre which the Bronx Theatre Co., Third and Brook Aves., will erect at intersection of Third and Franklin Aves. It is to be of brick, stone, terra cotta and concrete construction; structural steel, fireproof. Seating capacity, 1,000 people. Cost, about $150,000.

NEW YORK, N. Y.—Plans have been filed by Neville & Bagge, 217 West 125th St., for five 5-story brick flats, 40 × 88 ft., for W. Jumel Realty Co., 620 West 115th St. To be erected on Claremont Ave., north of 125th St. Cost, $200,000.

By B. W. Levitan, Arch., 20 West 31st St., for three 6-story flats on 164th St., east of Amsterdam Ave., for Wilson & Gingold, 50 West 112th St., Cost, $156,000.

NEW YORK, N. Y.—Bids are asked until May 1, 3 p. m., for plumbing work, etc., in 13th Dist. Municipal Court, 268 Madison St. John F. Ahearn, Boro. Pres.

NEW YORK, N. Y.—Philip Goerlitz, 242 East 51st St., Arch., has plans ready for bids on a 10-story storage and loft building, to cost about $290,000.

Bids have been received for building a 9-story brick and stone hotel at 257 West 38th St. Est. cost, $125,000. Gilbert Robinson & Son, 39 Hancock Pl., are Archs.

The contract for the iron, steel and ornamental iron work for the 6-story stable building to be erected at 166-170 Perry St., New York, for Edmund Coffin, has been awarded to S. FISCHER MILLER, 1133 Broadway. Hill & Stout, Archs.

THE THOMPSON-STARRETT CO., 49 Wall St., has the general contract to build an automobile garage at Broadway and 56th St., 161 × 210 ft. Cost, $250,000. There will be a storage capacity for 450 cars, with 76,250 square feet of floor space. The O. B. Potter Trust, 71 Broadway, is the owner. Francis H. Kimball, 71 Broadway, is the Arch.

General contract for new building for Orphans' Home and Asylum, Protestant Episcopal Church, on Convent Ave., from 135th to 136th Sts., has been let to FOUNTAIN & CHOATE, 114 East 23d St. Cost, about $125,000.

NEW YORK, N. Y.—Contracts will be let by Gordon, Tracy & Swartwout, Archs., 156 Fifth Ave., for a 10-story loft and office building at 137-139 East 25th St. and running through to 138 East 26th St. Fireproof, limestone and brick. Cost, $200,000. T. B. LEAHY BUILDING CO., 1 East 42d St., has contract for masonry. The Benoit Realty Co., 102 West 42d St., is owner.

WILLIAM J. TAYLOR, 7 East 42d St., has contract for a 12-story building to be erected on 32d St. for Walter A. Schiffer. Charles Volz, 160 Fifth Ave., is Arch.

Lorenz F. J. Weiher, 103 East 125th St., has completed plans for a 6-story elevator apartment house, to be built on 94th St., west of West End Ave., for Hoffman Bros. & Robinson, Estimated cost, $200,000.

Gen. Howard Carroll, 9 West 38th St., will erect a 20-story office building on West St., from Albany St. to Cedar St. Cass Gilbert, 79 Wall St., is Arch.

The Estate of E. Hoffman, 4 Warren St., will erect an 11-story office building on Fifth Ave. and 17th St. Cost, $250,000. John B. Snook, 261 Broadway, is Arch.

Snelling & Potter, Archs., 1170 Broadway, have filed plans for a 6-story and basement fireproof dwelling for James A. Garland, 1025 Fifth Ave. Cost, $125,000.

BROOKLYN, N. Y.—Board of Education has awarded contracts for general construction of additions and alterations to Teachers Training School to JUAN B. ARCI at $268,000. George Hildebrand's bid was $269,539.

BROOKLYN, N. Y.—Contract for general construction of additions and alterations to Public School 27 was awarded to JOHN THATCHER & SON, 54 Park Ave., at $63,300. Contract for sanitary work and gas fittings at Commercial High School was awarded to JAMES HARLEY at $32,711.

ALBANY, N. Y.—Governor Frank W. Higgins has signed the bill authorizing the Commissioner of Corrections to remove the Kings County Penitentiary and to construct a city prison upon an island in the East River within two years. Bonds to the amount of $300,000 are authorized.

BUFFALO, N. Y.—Council has directed Commissioner of Public Works to prepare plans and receive bids for a 24-room brick school building on Jefferson St., and for a 10-room school at Weiss and Clinton Sts.

Ernst & Sons, of Buffalo, were lowest bidders, at $6,753, for furnishing iron stairways for various schools.

UTICA, N. Y.—The County Building Committee has been authorized to advertize for proposals for the work of erecting the proposed court house in accordance with the specifications as originally revised, on which the lowest bid was $735,373, and to call for bids also on a proposition making changes and omissions tending to cheapen the cost of the building about $50,000 on the basis of last year's calculations. Alternative bids probably will be received. Olin W. Cutter, 683 Atlantic Ave., Boston, is Arch.

JERSEY CITY, N. Y.—Board of Education will appropriate $218,000 for repairing school No. 6, erecting a new school building in the Tenth Ward, enlarging school No. 27, and erecting a new school building in the Seventh Ward.

ORANGE, N. J.—The new central school, to be located at Main and Cleveland Sts., will cost $95,000.

TRENTON, N. J.—The Prison Commission will receive bids up to May 20 for building an addition to the state prison. Cost, about $300,000. Address M. E. Berry, Secy. Board.

JERSEY CITY, N. J.—Plans are in preparation by Hugh Roberts, Arch., 1 Exchange Place, for new court-house. A. R. Wolff, 130 Fulton St., New York, is steam engineer. His plans include installation of about 1,000-HP. of boilers, heating and ventilating apparatus.

PITTSBURG, PA.—Board of Trustees of Western Theological Seminary has approved plans of T. E. Billquist, Arch., Stevenson Bldg., for new buildings. Cost will be about $500,000. Rev. David Gregg, LL.D., is Pres.

ALLENTOWN, PA.—Bids are asked by James Knox Taylor, Supervising Arch., Washington, D. C., until May 31, for construction complete of U. S. post office at Allentown. (Advertized Engineering News.)

PITTSBURG, PA.—GOLDEN & CRICK have contract for 12-story hotel for Annex Hotel Co., Penn. Ave. and Sixth St. McCullum & Dowler, Bank for Savings Bldg., are Archs. Cost, $400,000.

DOYLESTOWN, PA.—A. B. Lacey, Arch., 1012 Walnut St., Philadelphia, has plans ready for bids for a 2-story dormitory and hall, at Doylestown, for the National Farm School.

BALTIMORE, MD.—Municipal Board of Awards, City Hall, received bids on April 26 for building an engine-house, three schools and jail additions. Bids are asked until May 3 for building a fire engine-house at 533-535 Columbia Ave. Harry F. Hooper, Cy. Register.

Isaac Hamburger & Sons will erect a $200,000 building at Baltimore and Hanover Sts. Simonson & Pietsch are Archs.

THE NOEL CONSTRUCTION CO. has been awarded contract for store and warehouse at 218-220 West Franklin St. Cost, $80,000. Wyatt & Nolting are Archs.

Herbert D. Hale, 92 William St., New York, associated with Parker & Thomas, 612 North Calvert St., Baltimore, is taking figures on the 13-story central office building, 168 × 155 ft., for the Baltimore & Ohio Railroad Co., to be erected at Baltimore and Charles Sts. Estimated cost, $2,000,000.

OAKLAND, MD.—The contract for building the Garrett county jail and sheriff's residence was let to the BRADY CONSTRUCTION CO., Fairmont, W. Va., at $35,981. A. G. Ross, County Clk. Holmboe & Lafferty, Archs., Clarksburg, W. Va.

WASHINGTON BARRACKS, D. C.—Bids are asked until May 6 for common red brick and porous terra cotta hollow tiles for reconstruction of Washington Barracks. Capt. John Stephen Sewell, U. S. Engrs. Bids will also be received until May 22 for construction of two to six double sets of non-commissioned officers' quarters. (Advertised, Engineering News.)

LEBANON, VA.—Bids are asked until 6 p. m., May 8, for the construction of a brick and stone combination jail for Russell county. H. Doriot, Arch., Bristol, Tenn. L. L. Bays is Clk. board of supervisors.

COLUMBIA, S. C.—Bids a[illegible]ked by Commission for Completion of [illegible] House until May 12 for metal filing eq[illegible]nt for three offices. Chas. C. Wilson, [illegible] (Advertised Engineering News.)

ROCK HILL, S. C.—Bids [illegible]ked by Jas. Knox Taylor, Supervising A[illegible] Washington, D. C., until June 6, for co[illegible]tion, complete, of post-office at Ro[illegible] (Advertised, Engineering News.)

ROCK HILL, S. C.—Presi[illegible] B. Johnson, of Winthrop College, w[illegible]ive sealed proposals for the new Carne[illegible]rary until May 2. A $6,000 bond will [illegible]uired from the successful contractor. Ja[illegible] McMichael, Charlotte, N. C., is Arch.

CLARKSVILLE, GA.—We a[illegible]rmed that bids are asked until noon, Ma[illegible]r building a 2-room addition to prese[illegible]ol. City wishes to correspond with d[illegible] in school furniture and supplies. J. W. [illegible]ore is Clk. Council.

DUBLIN, GA.—The [illegible] JAIL BUILDING CO., of St. Louis, has contract for remodeling jail.

MONTGOMERY, ALA.—A. [illegible]ton, Ch. Clk., Dept. of State, inform[illegible]hat it is planned by State to build [illegible]dition to State capitol and other genera[illegible]vements to the building, under appropri[illegible] made by legislature of 1903.

ALEXANDER CITY, ALA.—The Baptist Church will erect a new building to cost between $7,000 and $10,000, we are informed. Plans are desired. Address W. W. Robinson.

MONTICELLO, MISS.—The Board of Supervisors of Lawrence county has let contract to the F. B. HULL CONSTRUCTION CO. for building a jail. W. H. Speights is Chancery Clk. B. C. Bynum, Arch., Montgomery, Ala.

KNOXVILLE, TENN.—Bids have been taken on 10-story bank and office building for Mechanics' National Bank. E. G. Oats is cashier. Morgan & Dillon, Atlanta, Ga., are Archs. Est. cost, $200,000.

BOWLING GREEN, KY.—The Louisville & Nashville Ry. Co. may build a $[illegible] station here.

LEX[illegible]TON, KY.—J. W. Porter, Secy. Park Commission, will receive bids until April 29 for the erection of auditorium for the city in Woodland Park. Anderson & Faig are Archs. Bids will be received for the whole or a part of the work. Bids will also be received on plans and specifications for an auditorium to be constructed entirely of concrete and steel.

CLEVELAND, O.—The Board of Education, Rose Bldg., has instructed F. S. Barnum, Arch., Rose Bldg., to prepare plans for a school building, to be erected in Oakland St. Two stories, brick, brick and stone or terra cotta trimmings, steel and fireproof construction. Bids will be received until noon, May 8, by George Myers, Clk.

CINCINNATI, O.—Samuel Hannaford & Sons, Hulbert Block, were awarded the contract in the competition for the preparing of plans for the Citizens' National Bank and office building, which will cost $300,000. It will be 65 × 103 ft., of stone and granite, steel construction.

The general contract for the Methodists' Old Men's Home was awarded to L. P. HAZEN & CO., at $431,273. Samuel Hannaford & Sons, Hulbert Block, are Archs.

CINCINNATI, O.—Contract for new concrete freight offices and depot for Queen & Crescent Ry. Co. was awarded to COLLIER BRIDGE CO., of Indianapolis, it is reported, at $238,000.

INDIANAPOLIS, IND.—Plans prepared by O. D. Bohlen, Arch., Majestic Bldg., for a Methodist church to be erected at Meridian and St. Clair Sts., have been approved. It will cost about $110,000.

INDIANAPOLIS, IND.—D. A. Bohlen & Son, Archs., have plans for the A. Kiefer Drug Co. building at 238 South Meridian St. Cost, $100,000.

CHICAGO, ILL.—Plans are being drawn for five schools for the School of Education, the University High School and the Chicago Manual Training School at the University of Chicago. They will cost $1,000,000.

PEORIA, ILL.—The Leisy Brewing Co. will erect a 6-story office building on Fulton St. and Jefferson Ave. Probable total cost, $250,000.

FORT SHERIDAN, ILL.—Bids are asked until May 10 for furnishing and installing electric light fixtures and wattmeters in 14 buildings. Capt. William Weigel, Q. M. (Advertised, Engineering News.)

CHICAGO, ILL.—Bids will be received by Egan & Prindeville, 85 Dearborn St., for a hotel building, to replace the Brevoort House, 143 and 145 Madison St., for Hannah & Hogg. To be 13 stories high, 50 × 175 ft., built of brick, stone, steel and terra cotta; composition roof. Cost, $500,000.

EAST ST. LOUIS, ILL.—THE SOUTHERN ILLINOIS CONSTRUCTION CO., of this city, was awarded the contract, at $65,000, for the erection of the bank building for the Illinois State Trust Co. Mauran, Russell & [illegible]rden, Archs., St. Louis, Mo.

CHICAGO, ILL.—Bids will be received soon by L. G. Hallberg, Arch., 84 LaSalle St., for hospital building, to be erected at Gr[illegible] and 60th Sts., for Swedish-American Hospital Association. To be five stories high, [illegible] × 120 ft., built of brick, stone and steel, composition roof. Cost, $150,000.

IOWA CITY, IA.—The contract for the new engineering building at University has been let to WILLIAM GRACE & CO., Chicago, at $59,900. It will be of Bedford stone, [illegible] × 123 ft.

KANSAS CITY, MO.—Albert Turney, Arch., Dwight Bldg., is preparing plans and bids will be advertised for about May 1 for a 3-story building, 100 × 186 ft., to be used as headquarters of the fire department.

JOPLIN, MO.—T. R. Bellas, Arch., 19 Columbia [illegible], will take bids about May 10 for a 6-st[illegible] hotel, office and store building, 89 x 120 [illegible] for L. P. Cunningham. Est. cost, $100[illegible].

HOT SPRINGS, ARK.—Chas. L. Thompson, Arch., Little Rock, has plans for rebuilding the Moody House, at Hot Springs. Five stories high. Cost, $75,000.

LITTLE ROCK, ARK.—Bids are asked by John H. [illegible], Secy. State Board of Charitable Institutions, until May 2, for the erection of a dormitory at the Deaf Mute Institute, to cost about $40,000; also for fireproof connections between the buildings. F. W. Gibb [illegible] Arch.

BAY CITY, TEX.—This town has issued $21,000 of school house bonds and wants plans and specifications; also wishes to place the bond

MANITOU, COLO.—Daniel W. Hitchcock and Thom[illegible] F. Barber have organized a company wh[illegible] plans to build a bath house here. C. W. F[illegible]y, of Colorado Springs, is interested.

SEATTLE, WASH.—It is said that the Y. M. C. A. will commence building operations on its new structure about May 1. Est. cost is $130,000. James Stephen, 726 New York Bldg., is Arch.

NORTH YAKIMA, WASH.—The commissioners of Yakima county will receive plans and specifications up to May 1 for a court-house and jail, to cost $75,000. Jail is to be either attached or detached from the courthouse. The plans are also to provide a city council room, 25 × 60 ft., a city clerk's office and one other room; also a city jail, but separate from county jail, in same building. W. B. Newcombe is County Auditor.

PORTLAND, ORE.—Bids will be received by White Bros., Oregon City, Ore., Archs., for a 2-story market building, 66 × 200 ft., for the Union Market Association. Julius H. Alexander, 186 Morrison St., Portland, is Pres.

PRESCOTT, ARIZ.—Time for receiving bids for constructive work at Whipple Barracks, Ariz., has been extended from May 12 to May 22. The work calls for the construction, plumbing, steam heating and electric wiring of 24 buildings. Capt. Chas. C. Walcutt, Jr., Q. M. (Advertised, Engineering News.)

VANCOUVER, B. C.—Bids, it is said, are to be received soon for new public buildings. Cost, about $500,000.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

AUGUSTA, ME.—We are informed that contract for laying 8½ miles of cast-iron pipe for Augusta Water District, W. B. Getchell, Supervising Engr., has been let to NICHOLS-MAGEE CONSTRUCTION CO., Taunton, Mass. Bids were received April 17.

WINOOSKI, VT.—H. A. Bailey, Chn. W. Comn., writes us that the village has voted to buy the present water system and to improve it by wells.

WHITE RIVER JUNCTION, VT.—We are informed that proposed improvements of Hartford Water Co. will require construction of 400 ft. long earth construction puddle core dam of a capacity of 12,000,000 to 15,000,000 gallons, and stone gate house; also about one-half mile of 10-in. cast-iron pipe. Work will be done by labor, but contracts for pipe, lead and valves had not been placed. Frank Collins is interested.

BURLINGTON, VT.—We are informed that this city has just appointed a special committee to investigate and report upon the improvement of the water supply. It seems now that a system of filtration will be recommended. The committee consists of John B. Wheeler, Chn.; F. E. Clark, Secy.; and F. O. Sinclair, Engr.

BOSTON, MASS.—Bids are asked by Metropolitan Water and Sewerage Board, Wm. N. Davenport, Secy., 1 Ashburton Pl., Boston, until May 10, for improving about 30 acres of the Wachusett Reservoir in West Roylston and Sterling, Mass., requiring about 109,000 cu. yds. earth excavation and 800 cu. yds. paving. Frederick P. Sterns, Ch. Engr. (Advertised, Engineering News.)

BOSTON, MASS.—Contract for constructing submarine pipe line at Fort Andrews, Mass., has been awarded to JOHN T. LANGFORD, Boston, Mass., for $24,045; contract for installation of water system was let to C. A. KENNEY, New York, for $7,900. Bids for above work were received April 6.

FALMOUTH, MASS.—Bids are asked by Water Commissioners until 7 p. m., May 1, for reconstruction of stone foundation of Quinsett stand pipe. Louis E. Hawes, Engr., 101 Tremont St., Boston, Mass.

OSWEGO, N. Y.—Bids are asked by Department of Water, F. W. Ormsby, Secy., until May 20, for furnishing labor and material (with exception of cast iron pipe and special castings) for construction of intake crib, 24-in. cast iron intake in Lake Ontanio and a 20-in. river crossing in the Oswego River. (Advertised, Engineering News.)

NEW YORK, N. Y.—Bids are asked by John T. Oakley, Comr. Water Supply, Gas and Electricity, 13 Park Row, until 2 p. m., May 3, for furnishing and delivering double and triple nozzle hydrants, lead-lined iron pipe, unions, elbows and couplings.

ALBANY, N. Y.—Bids are asked by Board Contract and Supply, Isidore Wachsman, Clk., until May 1 for cast iron pipe and special castings.

NIAGARA FALLS, N. Y.—W. W. Read, Cy. Engr., writes us that no definite decision has been reached as to what will be done for new city water supply. According to press reports estimates of cost of three propositions, as follows, have been submitted: Plant on 10-rod strip at head of hydraulic canal, $257,000; plant at Sugar St., $300,000; plant at city line, $[illegible]2,000.

LEXINGTON, N. C.—Specifications for constructing water works for this town may be seen at office of Engineering News, 220 Broadway, New York. Bids are asked until May 3, as advertised in Engineering News.

CARBON HILL, ALA.—We are informed that this town will award contract soon for water-works, to have a capacity sufficient for 5,000 population. An engineer was to give an estimate of cost of electric light plant and water-works on April 18. No engineering work had been done at time of writing. J. S. Shannon, Chn. Com., is official in charge.

DAYTON, O.—Bids are asked by Board Public Service, Wm. F. Miller, Clk., until May 10, for furnishing and delivering 150 tons 6-in., 50 tons 8-in. pipe, 100 tons 10-in. and 50 tons 12-in. pipe, with the necessary special castings to correspond.

DAYTON, O.—Bids are asked by Board Public Service, Wm. F. Miller, Clk., until May 10, for furnishing water meters. (Advertised, Engineering News.)

DELTA, O.—See under Sewerage.

BRAZIL, IND.—We are informed that this city is making a test of two deep wells. If test is successful eight more wells will be put, the work being done by contract. Geo. A. Fletcher is Cy. Civil Engr.

HERRIN, ILL.—D. N. Wilkerson writes us that city voted April 18 to put in water-works. New council will be installed May 8 and will ask for bids for the work.

CHICAGO, ILL.—We are informed that a new water tunnel, surveys for which have been commenced, is to take the place of the one now running diagonally across the down-town district. The new tunnel will follow the streets. The present tunnel interferes with the construction of foundations for new buildings. The work will cost $190,000. John Ericson is Cy. Engr.

WAUKESHA, WIS.—We are informed that this city will soon take up matter of municipal water-works. William Powrie is Cy. Engr.

BAGLEY, IA.—We are informed that this place will vote about June 1 on municipal water-works. J. J. Chapman is Mayor.

CHISHOLM, MINN.—Bids are asked by W. A. Masters, Village Recdr., until 3 p. m., May 2, for a brick building, 28 × 30 ft.; one 125-HP. Scotch marine boiler, internal fired, corrugated furnaces; one Worthington underwriters' fire pump, 16 × 8½ × 10, brass lining throughout; one smokestack, 30 ins. diameter, 80 ft. high.

MELROSE, MINN.—Bids are asked by City Council until 8 p. m., May 2, for drawing, making and furnishing plans and specifications for a system of water-works and an electric light plant. F. J. Weisser, Cy. Clk.

NORTHOME, MINN. We are informed that contract for constructing municipal water-works (bids received April 15) has been let to CROWLEY ELECTRIC CO., Duluth, Minn., for $7,985. C. W. Field is Village Recdr.

MELROSE, MINN.—We are informed that special election will be held April 29 to vote on bond issue. Town contemplates laying water mains and installing electric plant this spring. Cost of work will be about $32,000. J. E. Campbell is Mayor.

CHETOPA, KAN.—We are informed that an election has not yet been called to vote on bond issue for water-works improvements. B. S. Edwards is Mayor.

ALMA, NEB.—We are informed that $17,500 of bonds for water-works and electric plant have been sold, and that date for opening bids and selection of engineer will be set soon. Mayor W. W. Myers is official in charge.

HARDY, NEB.—Mayor C. R. Phillippi writes us that plans will be made in the near future for city water-works, to cost $6,000.

OAKES, N. DAK.—Mayor E. W. Bittman writes us that contract for water-works and sewers has been let to JAMES KENNEDY, Fargo, N. Dak. Press reports of April 4 state that $20,000 of bonds were voted for the work.

FORT ASSINNIBOINE, MONT.—Bids are asked until May 18 for furnishing and installing 40-HP. boiler, stack, duplex pump, boiler feed pump, feed water heater with exhaust head, 3,050 ft. 6-in. and 650 ft. 4-in. cast-iron hub and spigot pipe. Capt. J. B. McDonald, C. Q. M.

SAYRE, OKLA.—Mayor D. B. Richardson writes us that the Governor has vetoed bill authorizing city to issue bonds for water-works, so that nothing will be done.

LA JUNTA, COLO.—Bids are asked by Otero Irrigation District, Geo. A. Kilgore, Secy., until May 15, for furnishing material and construction of gates and outworks for storage reservoir. Work consists of about 300 ft. of reinforced concrete and two 30-in. valves with fittings. F. T. Lewis, Engr. (Advertised, Engineering News.)

PASSADENA, CAL.—We are informed that at election, March 23, a bond issue of $931,250 was voted. Of this sum $732,500 is for the purchase of private systems, the remainder, $198,750, being for improvements and extensions. T. D. Allin is Cy. Engr.

SAN DIEGO, CAL.—Bids are asked by Board Public Works, F. H. Dixon, Secy., until 10 a. m., May 4, for furnishing and erecting all machinery required for 2,000,000 gallon pumping plant.

BOISE, IDAHO.—Bids are asked by the Engineer, U. S. Reclamation Service, Boise, until June 15, for construction of about 21 miles of main canals and about 102 miles of branches and laterals, involving excavation of about 3,500,000 cu. yds. of earth, 45,000 cu. yds. loose rock, and 170,000 cu. yds. solid rock, and the construction of structures involving 2,000 cu. yds. masonry, 58,000 lbs. of steel, 68,000 lbs. of cast-iron and 140,000 ft. B. M. of lumber, in connection with Minidoka project. (Advertised, Engineering News.)

ECHO, UTAH.—We are informed that Echo Water Supply Co., W. G. Fisher, Pres., has purchased necessary pipe for its new system. Some fittings, however, were yet to be purchased. Est. cost of system is $2,000. (Post-Office is Echo City.)

SALT LAKE CITY, UTAH.—Board Public Works has awarded contract for water main extensions for this year (bids opened April 10) to P. P. FORD & CO., Denver, Colo., for $19,319.

SMITHFIELD, UTAH.—Mayor H. T. Peterson writes us that the contracts have been let for system, to consist of 9,000 ft. clay pipe, reservoir 28 × 50 × 12 ft., 5,500 ft. 8-in. and 6-in. kalamine converse joint pipe. Contract amounts to approximately $9,000, and work to be completed July 1. According to press reports this contract was let to WHEELRIGHT BROS., Ogden, Utah.

ST. JOHN, N. B.—City Council has awarded following contracts for constructing water extensions to Loch Lomond (bids received April 12): McARTHUR & McVEY, St. John, N. B., Sec. 1, $48,930, Sec. 2, $40,710; B. MOONEY & SONS, St. John, N. B., Sec. 3, $57,384, Sec. *4, $36,640.

WINNIPEG, MAN.—We are informed that it is proposed to install a high-pressure water system for fire protection in the central business part of this city, and it is likely that the city will be calling for tenders for the necessary engines, pipes and other appliances. C. J. Brown is Cy. Clk.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

AUGUSTA, ME.—We are informed that about half a mile of sewer, including main sewer outlet will be built for this city, work probably being done by contract. W. B. Getchell is Cy. Engr.

LITTLETON, N. H.—Town has voted to borrow $7,000 for sewer system.

WILTON, N. H.—Bids were received by Sewer Committee April 20 for laying about 18,500 ft. of sewer pipe and appurtenances and ½ mile of water pipe, the contract being let to ABLETT & BOWES, Cohoes, N. Y., for $8,520. Arthur W. Dudley, Manchester, N. H., was Engr.

MARION, MASS.—Williams & Whitman, 17 Battery Pl., New York, Engrs., have submitted a preliminary report upon advisability of installing a sewage disposal plant at Marion.

SALEM, MASS.—Contract for building iron pipe outfall sewer was awarded to PATRICK McGOVERN, 6 Beacon St., Boston, at $110,000. There were six bidders. Work was advertised for in Engineering News.

HAVERHILL, MASS.—Council Sewer Committee will ask for $10,000 bond issue for construction of new sewer this year. Robt. R. Evans is Cy. Engr.

NORTHAMPTON, MASS.—Sewer Commissioners are stated to have asked for an appropriation of $100,000 for an extension of the main sewer to Connecticut River. E. I. Clapp is Cy. Engr.

HARTFORD, CONN.—Private parties have had plans prepared, according to reports, for making 15-in. connection with city sewers, the cost to be borne by owners of large tract of land along Trout Brook Watershed. C. E. Beach is stated to be Engr.

DUNKIRK, N. Y.—This city contemplates construction this year of about 7½ miles of sewers, principally tile. James P. Morrissey is Cy. Engr.

BALLSTON SPA, N. Y.—John M. Farley, of White Plains, N. Y., has succeeded Harvey M. Geer as engineer in charge of plans for sewage disposal system to be built this year. There is a bill now before the state legislature to allow the village to issue bonds not to exceed $150,000 to build the system.

SYRACUSE, N. Y.—We are informed that bids are asked until May 1, 1.30 p. m., for building brick sewers and pipe sewers. George J. Metz, Cy. Clk.; Frank J. Schnauber is Cy. Engr.

LESTERSHIRE, N. Y.—Village will call for bids soon for construction of sewer system. Knight & Hopkins, Rome, N. Y., are Engrs.

ST. JOHNSVILLE, N. Y.—Special election will be held April 29, on question of appropriating $500 for a survey and estimate prior to the submission of the question of constructing a system of sewers.

BROOKLYN, N. Y.—Bids are asked until May 3 for constructing three sewers in Borough Brooklyn. Martin W. Littleton, Boro. Pres.

WESTFIELD, N. J.—Bids are asked until 8 p. m., May 1, for constructing about 3,600 ft. 8-in. sewers with house connections. Lloyd Thompson, Town Clk.

McKEESPORT, PA.—Bids are asked by C. C. Soles, Cy. Controller, until 4 p. m., May 4, for constructing 15-in. terra cotta sewer on Grand St.

HARRISBURG, PA.—Contract for constructing pipe sewers in Walnut and Tenth Sts., and Walnut and Hancock Sts. (bids opened April 17), has been let to W. H. OPPERMANN, 133 Paxton St., Harrisburg, for $1,697 and $1,367, respectively.

MEDIA, PA.—A. G. C. Smith, Ch. Burgess writes us that council has voted small sum of money to secure a report upon some form of sewer system; no report has been made as yet.

MOUNT CARMEL, PA.—Bids are asked for the construction of a system of sewers until May 18, 8 p. m. John F. Gibbons, Chn. Sewer Com. T. Chalkley Hatton is Consulting Engr. Specifications for this work are on file at office of Engineering News, New York.

WASHINGTON, D. C.—Bids are asked by District Commissioners until May 17 for constructing sewers. (Advertised, Engineering News.)

ALEXANDRIA, VA.—Work is to begin at once on a portion of proposed sewerage system, for which $35,000 is available.

SPARTANBURG, S. C.—Bids are asked by the Mayor and Board of Aldermen until May 5 for constructing sewer extensions in the city of Spartanburg, and for furnishing the materials for same. Work will embrace approximately 8,000 ft. of 8-in. pipe sewers. Arch B. Calvert, Mayor. J. L. Ludlow, Winston, N. C., Engr.

DARLINGTON, S. C.—We are informed that bids will be called in about 30 days for constructing sewerage. S. McCullough is Mayor.

QUITMAN, GA.—J. H. Wheeler writes us that city has voted $50,000 of bonds for sanitary sewers. Surveys are now under way and the construction work will be done by contract.

BIRMINGHAM, ALA.—Bids are asked by Julian Kendrick, Ch. Engr., Jefferson County Sanitary Comn., until May 14, 1905, for constructing septic tanks and other improvements for Valley and Village creek trunk sewer. The tanks will cost about $20,000.

BILOXI, MISS.—W. F. Wilcox, Consult. Engr., Jackson, Miss., is to prepare plans for a $30,000 sewer system for this place. Bids are to be asked soon.

HOPKINSVILLE, KY.—Edward D. Watts, Booneville, Ind., and associates have applied to city for franchise to construct a sewer system, and it will probably be granted to them. They propose to lay not less than 10 miles of sewer pipe within 12 months, and will treat the sewerage by the septic-tank system. From $50,000 to $60,000 will be expended.

LOUISVILLE, KY.—J. B. Breed, Cy. Engr., has completed plans for proposed outfall sewer to drain the southern part of the city. It will cost about $1,500,000.

AKRON, O.—Bids are asked by Board Public Service, Chas. H. Watters, Secy., until May 4 for the improvement of a local sewer in Rhodes Ave., for the improvement of Arch St. by curbing and paving with brick and for a local sewer in Rhodes Ave., and another one along Jewitt St.

FREMONT, O.—Bids are asked by City Clerk until May 9 for construction of trunk sewer.

MASSILLON, O.—Contract for constructing 2,500 ft. 10-in. sanitary sewer in High and North Sts. has been let to NEIDLINGER & KRAFT.

DELTA, O.—Riggs & Sherman Co., Consult. Engrs., Toledo, O., are preparing plans for sewers and water-works for this place.

TORONTO, O.—Bids are asked until May 1, by the West End Sewer Co., A. G. White, Engr., at its office on Clark St., for construction of a sewerage system to include 27,120 lin. ft. 8 to 30-in. sewer pipe, 120 lin. ft. 30-in. c. i. pipe, 39 manholes, 14 drop manholes and 35 lampholes.

CINCINNATI, O.—Bids are asked by Board Public Works, Geo. F. Holmes, Clk., until May 3, for furnishing material and improving portions of five streets by constructing drains and sewers.

CHICAGO JUNCTION, O.—We are informed that Riggs & Sherman Co., Consult. Engrs., Toledo, O., are preparing plans for a general system of sewerage for this village. Post-office is Chicago, O.

BEREA, O.—Bids are asked by O. R. Stone, Village Clk. until noon, May 8, for constructing sewer in West St.

AKRON, O.—Bids are asked by Board of Public Service until noon, May 4, for constructing local sewers in Rhodes Ave. and Jewett St. Chas. H. Watters is Secy.

ZANESVILLE, O.—Bids will be received soon for laying 1,200 ft. of 36-in. brick sewer pipe and 600 ft. of 24-in. tile sewer pipe. Cost, $10,000. E. H. Smith is Cy. Engr.

ELKHART, IND.—Bids are asked until May 3 for construction of sewers in River Ave. and Mason St.

FT. WAYNE, IND.—Bids are asked until May 6 by the Board County Commissioners for furnishing and delivering at the jail yard, as ordered by the Commissioners, c. i. culvert pipe for the ensuing year beginning May 6. The size of the pipe is to be as follows: 18-in. inner diameter, 11-16-in. shell, 24 and 30-in. inner diameter, ¾-in. shell, 36-in. diameter, ⅞-in. shell, 42-in. inner diameter 1-in. shell, 48-in. inner diameter, 1⅛-in. Shell. The weight of the bell socket to equal two-thirds of the weight of 1-ft. plain pipe. A variation of 2½ per cent of weight per foot will be allowed. Charles G. Griebel, Chn. Comrs.

TIPTON, IND.—Bids are asked until May 9, 7.30 p. m., for building a sewer. Clyde Porter, Cy. Clk.

PERU, IND.—Bids are asked until May 3 for building a steel sewer in Ellis free gravel road. C. W. Macey, County Audr.

CAIRO, ILL.—We are informed that estimates are being made for an intercepting and outlet sewer for this city; it will be about two miles in length and will drain the entire city. W. B. Thistlewood and Geo. F. Dewey are Cy. Engrs.

GALESBURG, ILL. — Preliminary plans have been prepared by Herring & Fuller, Engrs., New York, for complete system of sewers and purification works for Galesburg. Cost will be about $528,000. Roy Hopcraft is Cy. Clk. M. Connelly is Cy. Engr.

SHEBOYGAN, WIS. — HACKWORTHY CONSTRUCTION CO., of Appleton, Wis., was awarded contract, at $11,730, for sewers.

WAUSAU, WIS.—C. W. Nutter, Cy. Engr., has prepared plans and specifications for a reinforced concrete sewer 8 ft. in diameter and 2,000 ft. long. Gravel or broken stone concrete can be used. Close to the site of the proposed sewer lie immense beds of the very finest gravel ranging from sand to pebbles the size of door knobs. Repeated trials washing this gravel failed to show any clay or dirt in it. The City Council seem to fear that no one will bid on the work and there is pressure being brought to have a brick sewer built. The cost of the work is estimated at between $16,000 and $20,000.

SHAWANO, WIS.—Bids are asked by M. J. Wallrich, mayor, and city council, care D. E. Westcott, Cy. Clk., until 8 p. m., April 28, for constructing approximately 10,000 ft. of sewerage.

GRINNELL, IA.—Bids are asked until May 1, 8 p. m., for constructing 3,000 feet of sewerage. J. F. Wilson, Cy. Clk.

REDDING, CAL.—An election will be held about May 9 to vote on issuance of $130,000 of bonds for sewers and street improvements.

LOS ANGELES, CAL.—W. H. Moffatt was lowest bidder, at $32,000, for building storm drain in Sixth St.

The Sewer Committee has recommended to council the bid of Hickox & Martin for building a storm drain on Second St., Stephenson Ave. and Fourth St., to Los Angeles River. Their bid was $39,320. Noted on April 6.

Andrew Holloway was lowest bidder, at $10,980, for constructing extension to Garvanza, of the central intercepting sewer.

OCEAN PARK, CAL.—Bids are asked until noon, May 1, for purchase of sewer bonds in amount of $20,000. T. G. Smith, Cy. Clk.

OGDEN, UTAH.—We are informed by A. F. Parker, Cy. Engr., that plans and specifications will be prepared by the city engineer for sewer district No. 10; est. cost, $110,000. Bids will be advertised probably in a month.

SALT LAKE CITY, UTAH.—P. P. FORD & CO., of Denver, Colo., have been awarded contract, at $64,627, for sewer extension during the year.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

AUGUSTA, ME.—W. B. Getchell, Cy. Engr., writes us that about one mile of suburban road will be macadamized this year. Several city streets will be macadamized and about half a mile of sewer will be built, including a main sewer outlet. Sewer will probably be built by contract.

NASHUA, N. H.—E. J. Johnson, Cy. Engr., writes us that the city contemplate paving on Main St., about 4,000 sq. yds., probably with granite block or concrete base with grouted joints.

NAHANT, MASS.—COLEMAN BROS., of Everett, Mass., were awarded contract April 21 for grading and surfacing at Nahant Beach Parkway, for $29,093. The bids on this contract were by invitation only and not advertising.

NORTHAMPTON, MASS.—Contract for building a section of state highway here was awarded April 20 to LANE CONSTRUCTION CO., of Meriden, Conn., for $6,361.

STURBRIDGE, MASS.—AMOD BRIDGE, of Hazardville, Conn., was awarded contract April 20 for section of state highway, 4,200 ft., in Sturbridge, for $5,668.

BEVERLY, MASS.—Contract for building 7,000 ft. of state highway here was awarded April 29 to CONNOLLY BROS., of Beverly Farms, for $2,770.

PROVINCETOWN, MASS.—WM. SEARS, of East Dennis, Mass., was awarded contract April 20 for section of state highway here, for $4,362.

BOSTON, MASS.—Metropolitan Water and Sewerage Board has awarded contract for building part of New St. and improving Crescent St. West Boylston (bids received April 14) to McBRIDE & CO., Brighton, Mass., for $4,496.

BOSTON, MASS.—Bids were received April 17 by Metropolitan Park Commission, J. R. Rablin, Engr., for grading, surfacing and other work at Lynn Shore Reservation, the contract being let to JAMES DOHERTY, Boston, for $19,571. Successful bid will be found under Contract Prices.

DALTON, MASS.—The contract for building macadam road in Depot and Housatonic Sts., for which $3,500 was appropriated, has been awarded to HAMMOND & WELSH, of Pittsfield. Work will be started at once.

HOLYOKE, MASS.—Specifications are on file in office of Engineering News, 220 Broadway, New York, for paving, etc., as advertised in Engineering News. Bids will be opened May 5.

MORRIS, CONN.—Bids are asked by Board of Selectmen until May 1, 2 p. m., for grading and construction of three sections of road. Geo. H. Johnson, Chn.

WATERVLIET (Sta., West Troy), N. Y.—Preparations are being made by a number of property owners of Watervliet to lay sidewalks during the coming summer.

LONG ISLAND CITY (L. I.), N. Y.—Bids are asked by Jas. Cassidy, Pres. Borough Queens, until May 1 for regulating, grading, curbing and paving portions of numerous streets.

TONAWANDA, N. Y.—Board Public Works has decided to macadamize several streets this summer.

ROCHESTER, N. Y.—Contract for subway pavement was awarded to CASEY & MURRAY.

TROY, N. Y.—Common Council has adopted a resolution for a pavement of brick on North First St.

DUNKIRK, N. Y.—James P. Morrissey, Cy. Engr., writes us that the city contemplates paving one street, about 10,000 sq. yds. with brick.

NEW YORK, N. Y.—The following contracts were awarded by Louis F. Haffen, Pres. Boro. Bronx, for regulating and grading, setting curbstones, etc., in various streets; bids were opened April 20: Sec. (5), UVALDE ASPHALT PAVING CO., 1 Broadway, $36,352, (6) $8,866; (7) S. V. SMITH, 147 East 125th St., $20,310; (8) D. W. MORAN, 562 Burnside Ave., $5,880; (9) THOS. GROGAN, 770 East 177th St., $32,821; (11) BELLEW & MERRITT CO., $2,814; (12) G. I. BAILEY, 1199 Tilton Ave., $7,387; (13) BRIGGS & McLAUGHLIN, 19 East 130th St., $6,865; (14) THOS. GROGAN, 770 East 177th St., $2,889; (17) CLINTON BECKWITH, Jerome Park, $81,145.

FREEHOLD, N. J.—Bids are asked by Board Chosen Freeholders, John Guire, Dir., until May 10 for construction of a 3,365 ft. long macadam road. (Advertised, Engineering News.)

TRENTON, N. J.—Bids are asked by Board of Chosen Freeholders until May 3, 3 p. m., for macadamizing a number of roads. Frank J. Eppele, County Engr.

DELAWANNA, N. J.—Bids are asked by Allison J. Van Brunt, Twp. Clk., until May 2, 8 p. m., for grading and macadamizing various streets in Acquackanonk Township. Colin R. Wise, Twp. Engr., 34 Bloomfield Ave., Passaic.

MEADVILLE, PA.—W. A. Doane, Cy. Engr., informs us that bids will be opened some time in June for about 10,000 sq. yds. of block asphalt paving, estimated to cost $25,000, including storm sewers.

HARRISBURG, PA.—W. H. Lyons, of Harrisburg, has been awarded a contract to build state road up Lycoming Creek, from Newberry to Cogan Station, six or seven miles.

HARRISBURG, PA.—R. D. WILSON & CO. were awarded the contract for Parkway, Summit Road east and the macadamized road, for $2,536, $825 and $545, respectively. FRANK BOMGARDNER & SON were awarded the Summit Road west.

BALTIMORE, MD.—The MARYLAND PAVEMENT CO., Equitable Bldg., was awarded contracts for paving with asphalt blocks the following streets, at $1.99 a sq. yd.: Harlem Ave., Gilmor St., Orleans St., Park Ave. and North Ave.

WASHINGTON, D. C.—Contract for about 73,000 cu. yds. grading on Pennsylvania Ave. (bids opened April 22) has been let to JAS. C. McGUIRE & Co., 26 Cortlandt St., New York, for $14,688. Morris Hacker is Supt. Roads.

WASHINGTON, D. C.—Bids are asked by District Commissioners until May 13 for about 25,000 cu. yds. grading on certain streets and avenues. (Advertised, Engineering News.)

WASHINGTON, D. C.—Bids are asked by District Commissioners until May 12 for paving various street and avenues with sheet asphalt. (Advertised, Engineering News.)

WASHINGTON, D. C.—Bids are asked by District Commissioners until May 12 for laying asphalt block pavements. (Advertised, Engineering News.)

BLUEFIELD, W. VA.—It is stated that $25,000 will be expended on brick paving.

WHEELING, W. VA.—Wilson Hoge, Cy. Engr., is preparing plans for cement sidewalks and driveways.

BLUEFIELD, W. VA.—Bids are asked until May 22 for about 10,000 sq. yds. vitrified block paving on Princeton Ave. J. E. Crockett, Cy. Recdr. (Advertised, Engineering News.)

HENDERSON, N. C.—Bids are asked by Board of Internal Improvements, R. J. Southerland, Chn., until May 15 for constructing about 20,000 yds. macadam roads, together with stone curbing and gutters. J. L. Ludlow, Winston, N. C., is Engr. (Advertised, Engineering News.)

POMONA, S. C.—Bids were opened by Highway Commission April 17 for about nine miles of macadam roads, as advertised in Engineering News. John L. King, Secy., Greensboro, informs us that the bids were irregular and unsatisfactory and no contracts were awarded.

GRENADA, MISS.—Bids are asked for the construction of granolithic sidewalks. C. B. Bolton, Engr. (Advertised, Engineering News.)

OWENSBORO, KY.—Bids will be received about June 1 for paving to cost from $30,000 to $50,000. E. B. Shifley is Cy. Engr.

JEFFERSON, O.—Bids are asked by County Commissioners until May 8 for laying 388 lin. ft. of 2½-in. stone and cement sidewalk about Court House. Address A. D. Davis, Comr., Ashtabula, O.

DELAWARE, O.—Bids are asked by County Commissioners until May 8 for constructing about 10 miles of roads, until May 9 for constructing about 13 miles of roads and until May 10 for constructing 3 miles of roads, throughout the county. E. S. Mendenhall, Engr.

IRONTON, O.—About $75,000 will be expended this summer on brick paving.

YOUNGSTOWN, O.—Contract for grading Emma St. was awarded by Board Public Service to MICHAEL HORAN, for $9,166.

CLEVELAND, O.—Bids are asked by County Commissioners until May 13 for improving Bedford Road. Julius C. Dorn, Clk.

BOWLING GREEN, O.—Bids were received April 3 by County Commissioners, E. L. Spafford, County Surveyor, for constructing three county roads, the contracts being let as follows: SPRATT & NICHOLS, Groverhill, O., one road; SHEARER STONE CO., Woodville, O., two roads. Bids were received also April 10 for constructing three more roads, the contracts being let as follows: RYAN & CO., Maumee, O., two roads; GEO. E. MERCER, Bowling Green, O., one road. Itemized bids of above parties will be found under Contract Prices.

MASSILLON, O.—The Council has passed necessary legislation to start work of issuing $55,000 bonds for street paving this summer.

LIMA, O.—Council has decided to advertise for bids immediately for the paving of South Pine St. R. H. Gamble is Cy. Engr.

FINDLAY, O.—Bond issue of $19,000 for paving of Tiffin Ave. has been authorized. The improvement of Herd St. by macadamizing and curbing at $2,265 has been authorized as have the construction of a number of sidewalks and sewers. J. W. S. Riegle is Cy. Engr.

ELYRIA, O.—Frank R. Fauver, Cy. Clk., announces that Council has decided to put sidewalks on Bath, Oak and Lake Sts., and Lake Ave.

YOUNGSTOWN, O.—C. P. Edwards, Pres. of Council, announces that the resolutions for the improvement of Calvin St., South and Chicago Aves., have passed the Council. F. M. Lillie is Cy. Engr.

BRAZIL, IND.—Bids are asked by County Commissioners until May 9 for construction of gravel roads in Van Buren Township.

LAFAYETTE, IND.—Bids are asked by Common Council until May 8 for the improvement of Kossuth St. E. H. Andress, Jr., Cy. Clk.

RENNSELAER, IND.—County Commissioners awarded contract for gravel roads in Gillam Township to GLIDENVILLE & SON, of Greencastle, Ind., for $19,170. Jas. N. Leatherman, County Audr.

MUNCIE, IND.—Bids are asked by Common Council until May 1 for the improvement of Fifth St. R. G. Hickok, Cy. Clk.

GREEN CASTLE, IND.—T. D. Brookshire, Pres. Const. Bd., is asking for bids until May 8 for grading of Court House yard and walks.

LOGANSPORT, IND.—DANIEL M. TULEY has been awarded contract for road between Cass and Howard Counties, 9½ miles long, for $17,500.

GREEN CASTLE, IND.—C. C. Hurst, County Audr., is preparing to ask for bids for construction of 1½ miles of gravel road in Marion Township.

PLAINFIELD, IND.—Town has awarded contract for building 1½ miles of cement sidewalk to FERGUSON, MATHEWS & CO., of Indianapolis.

NORMAL CITY (Sta. Muncie), IND.—Bids are asked by Board of Trustees until May 16 for grading and graveling of Dix St.; also for constructing a cement sidewalk on west side of Dix St. J. E. Mitchell, Town Clk.

SOUTH BEND, IND.—The Home Improvement Co., 126 North Maine St., is in the market for 23,000 sq. yds. of crushed stone.

DETROIT, MICH.—JAMES HANLEY was the lowest bidder for paving Elmwood Ave., at $2,395 for natural cement and $2,869 for Portland cement; also for paving Adelaide St., at $1,577 and $1,800. Robt. H. McCormick is Cy. Engr.

BLOOMINGTON, ILL.—Elmer Folsom, Cy. Engr., informs us that the ordinance for Oak St. brick pavement was passed April 21, and the ordinance for paving of Lee St. with brick will be passed April 28. Mr. Folsom further states that it is impossible to state at this time when bids will be called for as court must confirm assessments first.

CAIRO, ILL.—Estimates are being made for several miles of brick paving for this city. W. B. Thistlewood and Geo. F. Dewey, Cy. Engrs.

CHICAGO, ILL.—Bids are asked by Department Public Works until May 5 for paving 425 sq. yds. of driveway at 65th St. pumping station, and set 300 lin. ft. of wooden curb. F. W. Blockl, Comr. Pub. Wks.

STEVENS POINT, WIS.—Bids are asked by Board Public Works until May 1, noon, for 3,000 sq. yds. of macadam, 2,360 lin. ft. of cement curbs and gutters and 3,000 sq. yds. of cedar blocks to be removed. H. J. Finch, Cy. Clk.

JANESVILLE, WIS.—Contract for paving South Main St. and East and West Milwaukee Sts., with brick (bids received April 14) has been let to ELZY & DUNN, Marshalltown, Ia., for $30,706. C. V. Kerch, Cy. Engr.

GREEN BAY, WIS.—W. W. Reed, Cy. Engr., informs us that Main St., will be paved with brick or bitulithic, about 29,100 sq. yds. Est. cost, $62,000.

NATIONAL HOME, WIS.—Bids are asked by E. E. Armstrong, Treas. Northwester Branch N. H. D. V. S., until May 18, for constructing cement sidewalks.

CRESCO, IA.—C. J. POWERS, of this city, has contract for road work for Vernon Springs Township. W. H. Tillson, Twp. Clk.

MANKATO, MINN.—Bids were received April 18 by Board Public Works, J. R. Thompson, Cy. Engr., for paving with brick on Jackson St. and Front St., to FIELDING & SHEPLEY, St. Paul, Minn., for Purington brick, at $10,160 and $40,946, respectively. Itemized bids for Front St. paving will be found under Contract Prices.

ST. PAUL, MINN.—Bids are asked by Board State Capitol Commissioners until May 2 for constructing stone, brick or asphalt roadways, also cement sidewalks for new State Capitol building. Plans and specifications are obtainable at office of Cass Gilbert, Arch., 524 Endicott Bldg., on depositing $100.

MINNEAPOLIS, MINN.—Paving Committee has issued order for curb and gutter to cost approximately $25,000. Andrew Rinker is Cy. Engr.

FARGO, N. DAK.—Bids are asked until May 3 for construction of cement walk at Washington School building. S. Hadeland, Chn. Bldg. Com., 412 Broadway.

FORT MACKENZIE, WYO.—Bids are asked by Capt. Jas. S. Parker, Q. M. U. S. A., Sheridan, Wyo., until May 20 for constructing concrete walks at Fort Mackenzie.

ST. LOUIS, MO.—Board Public Improvements awarded the following contracts for street paving: PARKER-WASHINGTON CO., 2309 Penn Ave., Kansas City, Utah St., $5,740; Ridge Ave., $19,808; Von Versen Ave., $9,705; Maple Ave., $7,839; Kentucky Ave., $7,201; Belt Ave., $10,261; Belt Ave., $6,245; Duncan Ave., $9,157. BARBER ASPHALT PAVING CO., Holland Bldg., Labadie Ave., $13,656; Grand Ave., from Arsenal St. to Magnolia Ave., $14,831; Grand Ave., from Magnolia to Russell Ave., $21,258; Grand Ave., from Russell Ave. to Lafayette Ave., $14,834. GRANITE BITUMINOUS PAVING CO., Delmar Boulevard, $31,266. HEMAN CONSTRUCTION CO., Fullerton Bldg., three sections of Broadway, at $21,534, $25,114 and $42,000.

PINE BLUFF, ARK.—Bids are asked by Commissioners of Paving District No. 18, 106½ Main St., until May 10 for paving of about ten blocks on Barraque St. Henry Marx, Secy.

SAN ANTONIO, TEX.—The city will macadamize about 1,000,000 sq. yds. of roads and pave with brick about 55,000 sq. yds., at a total cost of $265,300. John D. Rullman, Cy. Engr.

ALMEDA, CAL.—Resolution of intention was adopted by Board of Trustees to order that Almeda Ave. and Paru St., be regraded, macadamized and curbed with concrete. J. W. Gillogly, Cy. Clk.

DENVER, COLO.—Plans an[illegible]fications are being prepared for pav[illegible] 2 alleys. Est. cost, $20,000.

Blake St. will probably be [illegible]th Belgian block this season, at [illegible] about $8,000.

TACOMA, WASH.—Bids ar[illegible] until May 1 for asphalt paving [illegible] End, to cost approximately $121,000. [illegible] Pearson, Cy. Clk.

MONTESANO, WASH.—Bid[illegible] by County Auditor until May [illegible] grading 6,000 ft.

SEATTLE, WASH.—Board [illegible] Works awarded contract April 11 to [illegible] Olympic Place to SPARGER CONCRETE [illegible] of Seattle, for $14,575.

TACOMA, WASH.—It is [illegible] bids will be called for at once for [illegible] Jefferson Ave. Frank L. Davis is Cy. [illegible]

OAKLAND, CAL.—Board of [illegible]visors awarded to W. J. SCHMIDT, [illegible]keley, Cal., the contract for building [illegible] Road, for $49,500.

SAN FRANCISCO, CAL.—Bo[illegible] Works has adopted plans for widening [illegible] paving of Mission St., with basalt blo[illegible] estimate of $40,000. Bids will be [illegible] Thos. P. Woodward, Cy. Engr.

BOISE, IDAHO.—Jas. H. Haw[illegible] Mayor, writes us that it is possible that [illegible] may let contracts for further paving [illegible] the summer.

NEW HAMBURG, ONT.—Tender[illegible] asked by Wm. Millar, Vil. Clk., unt[illegible] 1 for building about 1,500 sq. yds. [illegible]crete walks.

LAMBTON, ONT.—J. A. Macph[illegible] Twp. Clk., is asking for tenders by May [illegible] construction of cement sidewalks on D[illegible] St.

WINNIPEG, MAN.—Tenders are [illegible] for supply of material and construction of a 12 ft. wide cedar or tamarac wood [illegible]ment, about two miles in length, through [illegible] property of the Great West Development Co. Plans and specifications at their office, 2[illegible] McIntyre Block, Winnipeg.

VICTORIA, B. C.—Arrangements are being made by the city for paving of Johnston St., with wooden blocks, at an estimated cost of $23,000.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

EAST TEMPLETON, MASS.—The Bay State Metal Wheel Co. is contemplating the erection of an addition to its plant the coming summer.

SOUTH GARDNER, MASS.—The L. M. Ramsdell Co. is to build an extension to its factory. The company manufactures chairs, go-carts, etc.

WARE, MASS.—The paper mill of West Ware Paper Co. was destroyed by fire. Loss, $50,000.

WORCESTER, MASS.—Ed. T. Chapin, Arch., 727 State Mutual Bldg., is preparing plans for factory building at Prescott and Otis Sts., for Sherman Envelope Co. Brick, mill construction, 4 stories, 210 × 57 ft. Est. cost, $45,000.

LYNN, MASS.—The General Electric Co. will build additions to its works this spring. Both will be of steel construction.

NEW YORK, N. Y.—Samuel Sass, Arch., 23 Park Row, has plans for an addition to factory at Tompkins and Delancey Sts., owned by Marx & Jacobsen, 54 St. Mark's Place. Cost, $20,000.

BROOKLYN, N. Y.—Louis Damancher, Arch., 256 East New York Ave., has plans for factory building for A. Wiltcher, 32 Christopher Ave. Cost, $50,000.

BINGHAMTON, N. Y.—Russell-Spaulding Co. has plans for three-story brick bakery building, 75 × 100 ft.

It is stated that bids will be received by Innes & Demarest, Commercial Ave., until May 1 for a two-story stove factory and iron foundry, 250 × 150 ft.

ROCHESTER, N. Y.—J. Mills Platt, Arch., 921 Chamber of Commerce Bldg., has plans for a two-story factory building for Pieher Shoe Co., 37 Centennial St. Cost, $10,000.

WATERTOWN, N. Y.—The International Paper Co., 30 Broad St., New York, is reported to contemplate additions to its sulphite mill here.

NEW YORK, N. Y.—The TURNER CONSTRUCTION CO., 11 Broadway, has contracted to install an electrical equipment for a new music publishing plant for G. Schirmer, 35 Union Sq., and will require a number of electric motors, shafting, belting, electric wiring and switchboards.

NEW YORK, N. Y.—G. Knoche, Arch., 516 East 72d St., is erecting a new factory building, 10 stories, about 70 × 160 ft. An isolated plant will be installed, which will include boilers, engines, generators, electric motors and elevators. The building is located at 72d St. and East River.

NEW YORK, N. Y.—G. R. Wilson, Purch. Agt., D., L. & W. R. R. Co., 26 Exchange Place, will take figures soon for an exhaust and heating system for new Kingsland car shops, in addition to wood, machine, foundry shop equipment, and tools. An alternating-current system will be used for driving all machines with individual motors.

BROOKLYN, N. Y.—Hanan & Son will build an addition to their factory at Bridge and Front Sts. Concrete and steel, five stories, 125 × 250 ft. About 200 electric motors will be required, in addition to new boilers, engines and generators. M. Wilmer Hanan is in charge.

JERSEY CITY, N. J.—The Pab[illegible] Renovating Co. has had plans prepared for adding a two-story brick extension to their factory at Fairmont and Cornelison Aves. Cost, $10,000.

CONNELLSVILLE, PA.—The Connellsville Machine & Car Co. will rebuild its plant, recently destroyed by fire, and greatly enlarge shops.

PHILADELPHI PA.—Jos. Bird & ,Co. 213 North 11th S want bids for an addition to mill at 12th a Jackson Sts., for Wm. F. Read.

Stewart Bros 6 Orkney St., want sub-bids for an add to factory at Seventh St. and Glenwood A , for Scott Paper Co.

MONESSEN, —The Page Woven Wire Fence Co. h awarded a contract to AMERICAN BR E CO. for structural iron work for the ad on to its plant.

BALTIMORE —Chas. Anderson, Arch., has plans for plant at Eastern Ave. and Ninth St., Ca for Crown Cork & Seal Co. Brick, 4 ories, 170 × 100 ft. Cost, $100,000.

BALTIMORE MD.—E. D. PRESTON, Builders' Exch , has contract for a three-story addition × 100 ft., to plant of Phoenix Pad at Monroe and Eagle Sts. Cost, $35,000.

BALTIMORE MD.—The Hubbard Fertilizer Co. Darby , has increased its capital stock from $7 to $200,000 for the purpose of incre the size of its plant.

The German hstone Brick Co., 327 St. Paul St., has incorporated with $100,000 cap. stock, to nufacture sand-lime bricks, by Henry F. , John A. McAnulty, 327 St. Paul St., and others. The plant will have a capacity of 40 bricks daily.

ROANOKE, —Bids will be received by Stone Printing & Mfg. Co. until May 1 for a two-story print house, 120 × 140 ft. Cost, $25,000. H. H. Huggins, Arch., Tipton Law Bldg.

General contract, including plumbing, for an overall factory for Blue Ridge Overalls Co., has been let to J. R. TERRY. H. H. Huggins, Arch. Cost, $12,000.

CHARLOTTE, N. C.—The Shaw Harness Co. will rebuild its factory, recently burned.

MARSHALL, N. C.—W. J. McLendon, Jr., and others will erect a box factory and planing mill, to be run by electric power. Work on the plant will begin at once.

WARSAW, N. C.—The Betts Milling & Lumber Co., of Sumter, S. C., and Philadelphia, Pa., and Buffalo, N. Y., will erect a saw and planing mill and dry kilns one mile from this place.

LAURENS, S. C.—The Crescent Co., capital $10,000, will erect a two-story brick factory building. Clarence E. Kennedy is Pres.

UNIONVILLE, GA.—J. G. Parker is in the market for a saw mill, and wants estimates.

ST. AUGUSTINE, FLA.—D. J. Drande, E. I. and T. E. Leighton will establish a cold storage plant.

APOPKA, FLA.—The Florida Iron & Wood Works will incorporate and enlarge their plant. This company is also in the market for two miles of wire fencing.

BIRMINGHAM, ALA.—The Domestic Laundry Co. will erect a two-story brick laundry building at a cost of $10,000.

MOBILE, ALA.—Articles of incorporation of the Mobile Foundry Co. have been filed. Capital $10,000. The purpose of the company is to do a general foundry business in this city. John H. Mahler is Pres.

CAMPBELL, ALA.—E. O. Bedsole will be in the market for a ginning outfit in a short time, and machinery for a saw mill.

CORINTH, MISS.—Alcorn Woolen Mfg. Co., P. T. Jones, Jr., Treas., wants bids at once for erecting concrete construction factory. (Advertised, Engineering News.)

NEW ORLEANS, LA.—B. C. McClellan, it is stated, will establish a laundry here.

COVINGTON, LA.—The Great Southern Lumber Co., of New Orleans, will erect a lumber and saw mill here. F. H. Goodyear is Pres.

COVINGTON, LA.—H. T. Borgere has purchased property near here, and will establish a creamery.

BOLINGER, LA.—S. H. Bolinger & Co., Ltd., will erect a saw mill.

KNOXVILLE, TENN.—Adams & Raymond, of Indianapolis, Ind., will erect a veneering factory here.

CAMDEN, TENN.—L. A. Wyatt and associates are organizing a company, with $5,000 cap. stock, to erect and operate a flour mill.

MEMPHIS, TENN.—The Coca-Cola Bottling Co. has purchased a site on which to erect a two-story brick building, 50 × 65 feet.

CHATTANOOGA, TENN.—The Frictionless Metal Co. has arranged to move its plant from Richmond, Va., to Chattanooga, and has contracted for construction of a plant at the latter place.

TOLEDO, O.—Langdon & Hohly, Archs., Spitzer Bldg., have plans for factory for Toledo Huebner Breweries Co., to be used for the manufacture of bar-room fixtures and furniture. Cost, $25,000. Jas. A. Pillood is Pres.

CINCINNATI, O.—Contract for Champion Tool Co.'s factory building was awarded to WALTON & RUETER, Pickering Bldg.

SOUTH BROOKLYN, O.—Harry A. Cone, Arch., Williamson Bldg., Cleveland, let contract to HENRY FOSTER, Wade Park Ave., Cleveland, for the erection of two factory buildings for Fanner Mfg. Co., South Brooklyn.

GREEN CASTLE, IND.—Frank Day & Co. have ordered plans for addition to company's planing mill. Bids will be invited in short time.

INDIANAPOLIS, IND.—The Indiana Produce Co. is preparing to construct a large poultry packing plant in this city, to cost $135,000. A. R. Marley, of Clayton, Ind., is Pres.

EVANSVILLE, IND. — The Evansville Foundry Association has incorporated with $100,000 cap. stock. The company will build a foundry. Directors: Fred Eggert and C. F. Dickman.

PLAINWELL, MICH.—Daniel Albertson, Arch., Kalamazoo, Mich., has plans for paper mill for Michigan Paper Co., at Plainwell. Cost, $193,000. Address John W. Gilkey, Mgr.

ELGIN, ILL.—F. B. Abbott, Arch., 225 Dearborn St., Chicago, let general contract to JACOB RODATZ, 217 La Salle St., Chicago, for factory for Elgin National Watch Co. Cost, $250,000.

CHICAGO, ILL.—The National Brick Co., new concern, has arranged to expend about $100,000 in land, buildings and equipments, to go into three brick plants—one at Maynard, Ind.; Chicago Heights, and Weber Junction, Ill. The company states that it has placed its orders for machinery and power.

HARRISON, ARK.—John Mason desires to purchase starch-making machinery; and outfit of machinery for box factory.

LANE CITY, TEX.—The rice mill of the Southern Irrigation Co., located here, is to be equipped with new, improved machinery. The company was recently organized with a capital stock of $700,000. Jonathan Lane, of Houston, is Pres.

TERRELL, TEX.—The Texas Midland Ry. Co. will erect shop buildings at a cost of $25,000. L. W. Wells is Ch. Engr., Terrell.

MARSHALL, TEX.—John H. Pope will establish a canning factory here.

HUGO, IND. T.—B. C. Johnson and Chas. Wahrer, of Shoals, Ind., are in Hugo making arrangements to erect a cooperage plant.

COMANCHE, IND. T.—The citizens will organize a $10,000 company to establish a cotton gin. The Mayor can inform.

HUGO, IND. T.—A joint company has been organized here by R. L. Overstreet, C. W. Miller, D. C. Burgown and others, to erect an ice plant.

TREHERNE, MAN.—A by-law to loan $5,000 to C. Weichman to erect a flour mill here was carried recently.

READERS' WANTS

If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of **ENGINEERING NEWS BUYERS' GUIDE** will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. **Do not fail to write our advertisers or us.**

CONVEYING PLANT.—Lewistown, Pa.—C. Greene & Son are reported as in the market for conveying apparatus, building supplies, etc.

FIRE PROTECTION APPARATUS.—Mullins, S. C.—The Mullins Storage Warehouse Co. is reported as preparing to install automatic sprinklers.

THERMOMETERS AND BAROMETERS.—Auburn, N. Y.—J. W. Ackerman, Cy. Engr., writes us that he wants the addresses of makers of the above.

CONCRETE BUILDING BRICK.—Thomasville, Ga.—W. C. Snodgrass is reported as wanting data relating to the making of concrete building blocks.

RELAYING RAILS AND TRACK EQUIPMENT.—Heath Spring, So. C.—The Excelsior Granite Co., H. Gould, Secy., writes us that the company is in the market for the above.

MAGNESIAN CEMENT.—Norfolk, Va.—The Va. Sand & Gravel Co., P. O. Box 672, writes us that it wants to be put in touch with manufacturers of the above for experimental purposes.

MILL FOR BORING AND TURNING PULLEYS.—Corinth, Miss.—The Corinth Engine & Boiler Works writes us that it is in the market for the above for boring and turning pulleys up to 10 ft. in diameter.

CEMENT BUILDING BLOCK MACHINES—South Vallejo. Cal.—Geo. S. Battelle, 326 Alameda St., writes us that he wants names of manufacturers of the above and also data relating to the various machines.

BRICK MACHINERY.—Baltimore, Md.—John A. McAnulty, c/o H. Y. Bready, 327 St. Paul St., is in the market for machinery for making sand lime brick and also drying machinery for the same of 40,000 brick daily capacity.

BOILERS, CEMENT, ELECTRICAL SUPPLIES, PUMPS, STRUCTURAL MATERIALS, ETC.—Watkins, N. Y.—C. M. Woodward, Secy. Consolidated Gas & Electric Light Co., writes us that the company is in the market for the above mentioned supplies.

WOODWORKING MACHINERY. — The Va. Electric Tool & Mfg. Co., Petersburg, Va.; the Ga. Mfg. Co., Columbus, Ga.; the S. A. Billings Co., Atlantic Bldg., Norfolk, Va.; the Lenon Woodworking Co., Lenon, and T. P. Reynolds, Greenville, Miss., are reported in the market for all kinds of woodworking machinery.

HOISTING EQUIPMENT, BOILER, CABLEWAY, ETC.—Cincinnati, O.—Geo. Moesta, Secy. Burnwell Coal Co., 23 Hulbert Block, is reported as in the market for the above supplies, as well as other contractors' equipment, for the Burnwell Coal Co.'s property, located on the Southern Ry., near Birmingham, Ala.

AIR COMPRESSORS, ETC.—Texas.—J. F. Simonson, Supt., Box 31, Navasota, Tex., is in the market for a belt-driven air compressor that will pump 80 gals. a minute.

BREWING MACHINERY.—Germany.—Levy & Kleine, Kleber Staden II, Strassburg, wish to be placed in communication with manufacturers of brewing machinery in the U. S., with a view to selling the same in Germany, where they claim the prospects are bright. The machinery which they have principally in mind is labeling, bottling and washing machines.

WIRE-WORKING MACHINERY. — McKeesport, Pa.—J. N. Kinney, Mech. Engr., McKeesport, writes us that he will probably be in the market for machinery for forming dies, for making small wire shapes such as safety pins, incidentaly also automatic appliances for lacquering and carding such shapes. Catalogues and full data are wanted from makers at once.

ELECTRICAL SUPPLIES.—It is stated that the Va. Electrical Tool & Mfg. Co., Petersburg, Va., J. S. Shannon, Chn. Electric Light Com., Carbon Hill, Ala.; the Belknap Hardware & Mfg. Co., 111 W. Main St., Louisville, Ky.; B. F. Creel, of Central City, Ky., and the Lawrenceburg Electric Light Co., of Lawrenceburg, Ky., are in the market for all kinds of electrical equipment.

BOILERS AND ENGINES.—The following are reported in the market for boilers and engines: Geo. Moesta, Secy. Burnwell Coal Co., 23 Hulbert Bldg., Cincinnati, O.; Snuffer & Rodes, of Thomas, Okla. Ter.; Brown & Williamson, of Winston-Salem, N. C.; S. C. Ordway & Sons Co., Winston-Salem; C. Greene & Sons, Lewistown, Pa.; the Hillside Coal Co., Hillside, Ky.; E. B. Doggett, of McKinney, Tex.; Jno. A. Garrett, Glen Echo, Md., etc.

AIR COMPRESSORS, CARS (DUMP), CONCRETE MIXERS, CONVEYORS, DERRICKS, DRAIN PIPE, DREDGES, ROCK DRILLS, ELECTRICAL SUPPLIES, GRADERS GRUBBING MACHINES, HOISTING ENGINES, LIGHTS, PLOWS, PNEUMATIC TOOLS, PUMPS, SURVEYING INSTRUMENTS, WELL-DRILLING MACHINERY, MISCELLANEOUS TOOLS, ETC.—Russia.—The Russian Am, Trading Co., 10 Lopansky St., Charkoff, Russia, writes us that it is in the market for the above.

BUILDING SUPPLIES.—It is stated that the following are in the market for all kinds of building supplies and equipment: Billiter & Hood, Somerset, Ky.; J. A. Garrett, of Glen Echo, Md.; A. W. Brunson, Heidelberg, Miss.; Aliceville Improvement & Investment Co., Aliceville, Ala.; Steel Hardware & Lumber Co., Bismarck, Mo.; Lanham & Sons, Rome, Ga.; Paintville National Bank, Paintville, Ky.; Vicksburg Builders' Supply Co., Vicksburg, Miss.; B. M. Atkins, of Nelson, Ga., and S. C. Bellamy, Enfield, N. C.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

OIL HOUSE.—Delaware City, Del.—Bids are asked until May 25 for constructing oil house at Fort DuPont, Del., Capt. Louis F. Garrard, Jr., Q. M. (Advertised, Engineering News.)

DREDGING.—Newport, R. I.—Bids are asked until May 23 for dredging in harbor of refuge at Block Island, R. I. Lt.-Col. J. H. Willard, U. S. Engrs. (Advertised, Engineering News.)

FIRE ALARM SYSTEM.—Rensselaer, N. Y.—Bids are asked by City Clerk until 8 p. m., May 4 for erection and completion of fire alarm telegraph system.

WHARF.—Wilmington, Del.—Contract for constructing 150-ft. wharf at plant of Chicago Hose Co. has been let to FRANKLIN K. WILLS CO., Wilmington.

DREDGING.—Cleveland, O.—Bids are asked until May 22 for dredging in Cleveland Harbor., Lt.-Col. Dan. C. Kingman, U. S. Engrs. (Advertised, Engineering News.)

DRAINAGE.—Anderson, Ind. — CARTER BROS., Danville, Ill., have secured contract amounting to $13,000 for draining swamp, 12 miles from this place, according to reports.

DREDGING.—Buffalo, N. Y.—Bids are asked until May 26 for dredging in Buffalo River entrance channel. Lt.-Col. H. M. Adams, U. S. Engrs. (Advertised, Engineering News.)

ROCK REMOVAL.—Newport, R. I.—Bids are asked until May 23 for removing Weepecket Rock, Buzzards Bay, Mass. Lt.-Col. J. H. Willard, U. S. Engrs. (Advertised, Engineering News.)

IRON, STEEL, ETC.—Watervliet, N. Y.—Bids are asked until May 15 for furnishing Watervliet Arsenal with ordnance supplies, among which are iron, steel, oils, etc. Maj. Ira MacNutt, Comdg.

DAM TOP.—Pittsburg, Pa.—Bids are asked by Major Wm. L. Sibert, U. S. Engrs., until May 20 for building and delivering at new Lock No. 2, Monongahela River, Pa., a steel movable top for Dam No. 2.

DAM CONSTRUCTION.—Rock Island, Ill.—Bids are asked until May 20 for construction and repair of dams and shore protections. Major C. S. Riche, U. S. Engrs. (Advertised, Engineering News.)

PONTOONS, ETC.—New York, N. Y.—Bids are asked by John F. Ahearn, Boro. Pres., until May 3 for building new pontoons and making repairs to the free floating baths at foot of 22d St., South Brooklyn.

TUNNEL.—Boston, Mass.—Bids are asked by Boston Transit Commission, B. Leighton Beal, Secy., until May 16 for constructing Section 5 of the Washington St. tunnel. (Advertised, Engineering News.)

DRAIN.—Auburn, Ind.—C. P. Hamman, Engr. in charge will sell at public outcry May 11, at County Court-House, the construction of Cedar Creek Drain No. 793. Estimated cost is $40,000 and specifications are on file in office of Herman D. Boozer, County Audr.

DREDGING AND DOCKING.—Chicago, Ill.—Sanitary Drainage District Trustees are reported to have awarded annual dredging and docking contract to CHICAGO & GREAT LAKES DREDGING & DOCK CO.

DRAINAGE CANAL.—Hutchinson, Kan.—Bids are asked until May 1 for construction of drainage canal from Cow Creek to Arkansas River, requiring moving of 177,810 cu. yds. earth. S. F. Johnson, Cy. Clk.

LOCK GATES.—Pittsburg, Pa.—Bids are asked by Major Wm. L. Sibert, U. S. Engrs., until May 19 for building and erecting in place two pairs of steel lock gates and anchorages at Lock No. 2, Allegheny River.

BREAKWATER REPAIRS.—Newport, R. I.—Bids are asked until May 23 for repairing breakwater at harbor of refuge at Block Island, R. I. Lt.-Col. J. H. Willard, U. S. Engrs. (Advertised, Engineering News.)

CRANE WHARF.—New Orleans, La.—Contract for constructing crane wharf at Naval Station has been let to MILWAUKEE BRIDGE CO., Milwaukee, Wis., for $40,725. Bids were received March 2, according to reports.

MINING EQUIPMENT.—Bluehill, Me.—G. M. Irwin, 52 Broadway, New York, will receive figures on general mining equipment for a large copper mine improvement at Bluehill, Me. F. L. Marston, Bangor, Me., is Ch. Engr.

PIER WORK.—Buffalo, N. Y.—Bids are asked until May 22 for extending south pier and placing concrete superstructure on north pier at Erie, Pa. Lt.-Col. H. M. Adams, U. S. Engrs. (Advertised, Engineering News.)

PIER.—New York, N. Y.—Bids are asked by Maurice Featherson, Comr. Docks, Pier A, Battery Pl., until May 5 for furnishing labor and materials for preparing for and building a new pier at foot of Beekman St., East River.

LOGGING.—Wasioto, Ky.—T. J. Asher & Sons, Wasioto, are reported to have about 6,000,000 ft. of logs to be taken across mountain and loaded on cars, and desire communications from contractors who will do the work.

CEMENT.—Winnipeg, Man.—C. J. Brown, Cy. Clk., writes us that contract for furnishing city with 20,000 to 30,000 bbls. Portland cement (bids received April 4) has been let to OWEN SOUND PORTLAND CEMENT CO., Owen Sound, Ont.

LOCOMOTIVE CRANES.—Washington, D. C.—Bids are asked by Isthmian Canal Commission, H. J. Gallagher, Purchasing Agent, until May 16 for furnishing one 10-ton and one 20-ton locomotive crane. (Advertised, Engineering News.)

LEVEE WORK.—Memphis, Tenn.—Bids are asked until May 25 for about 1,800,000 cu. yds. levee work in the First and Second Districts, Mississippi River Improvement. Capt. E. W. Van C. Lucas, U. S. Engrs. (Advertised, Engineering News.)

PIERS.—New York, N. Y.—Commissioner of Docks has awarded contract for construction of pier at foot of East Ninth St. and for pier between Maiden Lane and Pine Sts., to T. & A. WALSH, 96 Water St., New York, for $28,000 and $53,180, respectively.

WIRE.—Washington, D. C.—Bids are asked by Disbursing Officer, Signal Corps, U. S. A., until May 2 for furnishing ten miles No. 12 hard drawn copper wire, specification 79, and ten miles No. 14 galvanized iron wire, specification 82. Brig.-Gen. A. W. Greeley, Ch. Signal Officer.

DREDGING.—Grand Rapids, Mich.—Bids were received April 22 by Col. M. B. Adams, U. S. Engrs., for dredging harbors on east shore of Lake Michigan, the bid of Chicago & Great Lakes Dredge & Dock Co., Chicago, Ill., being recommended for acceptance. $31,300 is available for the work.

REPAIRS TO STEAMER.—New York, N. Y.—Bids were received April 12 by Maj. G. S. Bingham, Depot Q. M., for repairing U. S. Steamer "Canby," two lowest bidders being as follows: Theodore Crane's Sons Co., Brooklyn, N. Y., $9,925; Columbia Engineering Co., Brooklyn, N. Y., $9,925.

CABLE.—Washington, D. C.—Bids are asked by Disbursing Officer, Signal Corps, U. S. A., until May 2 for furnishing under specification No. 197, 12,000 ft. 10 pair, paper insulated aerial cable; 5,000 ft., 15 pair; 5,000 ft., 20 pair; 2,000 ft., 30 pair; 1,000 ft., 40 pair. Brig.-Gen. A. W. Greeley, Ch. Signal Officer.

SHEET STEEL, IRON PIPE, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts, Navy Department, until May 9 for furnishing quantity of naval supplies, among which are galvanized sheet steel, iron pipe, generating sets, brick, Portland cement, pneumatic tools, etc. H. T. B. Harris, Paym.-Gen., U. S. N.

PILE DRIVERS, SCOWS, ETC.—New York, N. Y.—Bids are asked by Maurice Featherson, Comr. Docks, Pier A, Battery Pl., until May 5 for furnishing all the labor and materials required for preparing for and building three pile drivers, four boat landing stages, four diving scows and one derrick.

TELEPHONE LINE.—Boise, Idaho.—Bids are asked by the Engineer, U. S. Reclamation Service, Boise, until June 15 for construction and completion of pole line telephone system, about 18 miles long, in connection with Minidoka project, near Minidoka, Idaho. (Advertised, Engineering News.)

LEVEE WORK.—McClure, Ill.—Geo. F. Dewey, Engr., Gilbert Block, Cairo, Ill., has completed estimates on eleven miles of levee work from Gale to McClure, Ill., via East Cape Girardeau, enclosing about 12,000 acres of rich bottom lands. A. C. Jaynes, Louis Houck, W. W. Huey, Cape Girardeau, Mo., and C. A. Marchilden, Thebes, Ill., are interested.

DRAINAGE DITCH.—Elgin, Ill.—We are informed that the Plato and Rutland Drainage District has been organized in Kane County, six miles northwest of Elgin and surveys for ditch work have been started. There will be about eight miles of main ditch and two or three small laterals. The commissioners will be ready to call for bids in about six weeks. D. C. Haeger, Dundee, Ill.; H. D. Barnes and J. W. Phillips, Elgin, Ill., are Comrs.; B. L. Henning, Steward, Ill., is Engr., and A. M. Shaw, Dixon, Ill., is Consult. Engr.

DREDGING.—Cape May, N. J.—Contract for the removal of about 11,000,000 cu. yds. of earth at this place has been let to FRANK A. FURST, Pres. of the Furst-Clark Dredging Co., Baltimore, Md. The improvements include the making of a harbor of safety, the filling in of acres of land that is now valueless, and upon which, when reclaimed, it is proposed to build New Cape May City. The project is in the hands of Pittsburg capitalists and railroad men. A boulevard, boardwalk and the erection of cottages and hotels are embraced in the general plan.

FOREIGN CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

ELECTRIC TRAMWAY.—Italy.—It is stated that the Municipality of Pallanza has decided to construct an electric tramway from that city to Fondotore, in order to connect Pallanza and the valley of Ticino with the Simplon line.

STEAM DREDGE.—Spain.—Tenders will be opened at noon, July 10, at the offices of the Secretary to the Port Works Board, Santander, for the provision of a steam dredge, at the maximum cost of 283,672 pesetas (about $42,530). A deposit of 3,000 pesetas (about $445) is required to qualify any tender.

REFUSE DESTRUCTOR, ETC.—New South Wales.—Tenders will be received until May 30 for supply and erection of a six-cell refuse destructor, and for a flag-making plant, at Moore Park, within the City of Sydney, New South Wales. Forms may be obtained, on application to the Acting Agent-General for the State of New South Wales, Victoria St., Westminster, S. W., England.

ELECTRIC TRACTION.—Bavaria.—The Bavarian Minister of Ways of Communication is considering a project for instituting electric traction on the main lines of Bavaria. It is proposed to utilize for this purpose the vast amount of water power which exists in the Bavarian Alps. It is said that, among others, the line from Munich to Lindau (a distance of 220 kilometers) will be transformed.

RAILWAY.—Peru.—A contract was entered into Feb. 4, 1905, between the Government of Peru and Henry Duncan Lewis MacDougall for the construction of a railway from Chorrillos to Pisco. Mr. MacDougall is understood to be the representative of the English company which owns and operates the railway line between Lima and Chorrillos. The subsidy granted is $24,332,500, payable in half-yearly instalments during a period of 25 years.

PORT WORKS.—Chile.—As was stated in our issue of April 20, bids will be opened April 2, 1906, in Santiago, Chile, for the construction of docks and improvement of the harbor of Valparaiso. Plans and specifications may be seen at Chilean Legation, 1228 17th St., Washington, D. C., at the office of the Consulate-General, 135 West 11th St., New York, and at the offices of Engineering News in New York and Chicago. (Advertised, Engineering News.)

POWER PLANT.—Switzerland.—An agreement has been signed on behalf of the Cantons of Schwytz and Zurich for the erection of a water power installation in the first named Canton. It is proposed to dam the River Sihl, thus forming an artificial lake in a valley. The superficial area of the lake will be 11.6 kilom., with a capacity of 96,500,000 cubic meters of water. The dam will be 26 meters high and nearly 100 meters long. The horse-power produced will be 28,000 for 24 hours or 60,000 for 11 hours.

BRIDGE.—England.—Tenders will be received by C. F. Preston, Town Clk., Barrow-in-Furness, until noon, May 15, for construction of steel road bridge over Walney Channel. The bridge will be about 1,123 ft. in total length between abutments and 50 ft. in width, and will consist of eight fixed girder spans, and one opening span, on cylinder foundations. Drawings may be seen, and specifications obtained, at the office of the Engineer, Sir Benjamin Baker, K. C. B., at 2 Queen Square Pl., Queen Anne's Mansions, Westminster.

RAILWAY CONSTRUCTION.—Africa.—Tenders will be received by William Arbuckle, Agent General for Natal, 26 Victoria St., Westminster, S. W., England, until noon, July 17, for the construction, equipment, and the working and maintenance for two years, of the proposed Stuartstown Railway. The proposed line is 2 ft. gage, about 100 miles in length, and is to commence at the Esperanza Station, on the Umzinto Branch (3 ft. 6 in. gage of railway), and to terminate at the Donnybrook Station on the Natal-Cape line (3 ft. 6 in. gage of railway), now under construction. Preliminary surveys and specifications may be seen at the office of the Consulting Engineer to the Natal Government, 30 Victoria St., S. W.

CONTRACT PRICES.

[Where (*) precedes items under Contract Prices the work was advertised in Engineering News.]

GRADING, SURFACING, ETC.—Boston, Mass.—Bids were received April 17 by Metropolitan Park Commission, J. R. Rablin, Engr., for grading, surfacing and other work at Lynn Shore Reservation, Prescott Pl., to Humphrey St., Lynn and Swampscott, the contract being let to JAMES DOHERTY, Boston, Mass., for $19,571. Successful bid was as follows: Earth grading, 3,640 cu. yds., $0.21; filling material, 100 cu. yds., $0.50; 10-in. vitrified pipe, 500 lin. ft., $0.32; 12-in. vitrified pipe, $0.40; concrete catch basins, 20, $24; concrete gutters, 1,000 sq. yds., $1.20; artificial stone steps, 405 lin. ft., $1.25; straight edgestone, 375 lin. ft., $0.90; curved edgestone, 340 lin. ft., $1.40; loam surfacing, 2,130 cu. yds., $0.25; loam furnished by contractor, 2,880 cu. yds., $1.07; broken stone surfacing, 13,200 sq. yds., $0.39½; walk surfacing, 3,600 sq. yds., $0.18; granolithic walk, $1.12.

POWER HOUSE.—Chicago, Ill.—Following bids were received April 12 by Trustees Sanitary District for construction of power house for Lockport power development, to be built on extension of main drainage of Sanitary District of Chicago, near Lockport, Ill.; (1) HAYES BROS. CO., Janesville, Wis. (awarded contract); (2) Falkenau Construction Co.; (3) F. J. Cullen; (4) Jos. Hanreddy; (5) Schillinger Bros. Co.; (6) Jos. J. Duffy; (7) Wm. Grace Co.; (8) B. M. Zadeck Co.; (9) Griffiths & McDermott; (10) Gindele Bros. Co.; all bidders from Chicago unless otherwise stated:

BIDS RECEIVED APRIL 12TH, 1905, AT CHICAGO, ILL., FOR CONSTRUCTION OF POWER HOUSE.

		Power House erected complete.	Earth excavating and disposal. 5,000 cu. yds.	Solid rock excavation and disposal. 20,000 cu. yds.	Channelling solid rock. 45,000 sq. ft.	No. 1 Portland cement concrete in place. 7,500 cu. yds.	No. 2 Portland cement concrete in place. 3,500 cu. yds.	No. 3 Portland cement concrete in place. 1,000 cu. yds.	Granolithic floor in place. 2,660 sq. yds.	[illegible]	[illegible]	Grand totals.
(1)	Janesville, Wis.	$172,357	$ .35	$ .85	$ .20	$5.00	$4.35	$3.60	$ .60	[illegible]	[illegible]	$293,492
(2)	Chicago, Ill.....	180,474	.30	.80	.20	4.30	4.05	3.85	.40	[illegible]	[illegible]	293,673
(3)	" ".....	187,800	.55	.75	.17	5.65	4.95	4.10	.35	[illegible]	[illegible]	310,951
(4)	" ".....	147,000	.30	.90	.35	7.40	6.90	6.40	2.25	[illegible]	[illegible]	314,845
(5)	" ".....	187,000	.40	1.00	.33	3.96	3.54	3,11	2.70	[illegible]	[illegible]	325,642
(6)	" ".....	158,000	.50	1.00	.40	7.50	7.00	6.50	2.50	[illegible]	[illegible]	333,486
(7)	" ".....	189,900	.50	2.25	.15	5.90	5.50	5.25	.70	[illegible]	[illegible]	333,762
(8)	" ".....	227,677	.50	1.40	.20	7.65	6.45	5.90	1.00	[illegible]	[illegible]	337,867
(9)	" ".....	237,900	.40	1.50	.40	6.00	5.75	5.25	1.50	[illegible]	[illegible]	409,164
(10)	" ".....	343,000	.55	2.45	.25	8.40	7.80	6.60	1.90	[illegible]	[illegible]	547,304

BRICK PAVING.—Mankato, Minn.—Bids were received April 18 by Board Public Service, J. R. Thompson, Cy. Engr., for paving on Jackson St. and Front St., both contracts being awarded to FIELDING & SHEPLEY, St. Paul, Minn., for total of $51,106. The itemized bids for paving Front St. were as follows, the price for paving including excavation 1 ft. deep, a 6-in. natural cement concrete base is to be used, and "Pioneer Asphalt Filler"; the time limit is five years; (1) T. R. Coughlan Co., Mankato, Minn., bidding on Purington block; (2) A. Thompson, Milwaukee, Wis., Purington block; (3) Fielding & Shepley, St. Paul, Minn., Purington block; (4) Jas. B. Forrestal Co., St. Paul, Minn., Indiana, Barr and Purington block; (5) M. Ford, Cedar Rapids, Ia., Purington block; (6) McCarthy Improvement Co., Davenport, Ia., Purington block:

	Quantities	(1)	(2)	(3)	(4)	(5)	(6)
Brickpaving............	21,086 cu. yds.	2.11	2.28	1.91	1.97	2.01	2.10
Stone curb..............	275 lin. ft.	.70	.65	.50	.55	.45	.70
Trimming walk........	625 lin. ft.	.20	.20	.15	.20	.10	.15
Resetting curb..........	532 lin. ft.	.25	.15	.08	.10	.09	.12
Iron corners "A"........	10	6.00	5.00	3.15	5.00	5.00	6.00
" " "B"........	3	8.20	10.00	3.25	5.00	6.25	8.00
" grates "C"........	22	11.70	15.00	8.40	10.00	9.50	12.00
Manhole frame and cover..................	4	6.50	5.00	7.00	10.00	4.00	7.00
Sewer pipe, 8 in........	144 ft.	.40	.50	.75	.30	.12	.45
" " 10 in........	24 ft.	.50	.60	.75	.40	.14	.55
" " 12 in........	24 ft.	.60	.75	.75	.45	.18	.65
Totals......................		$45,394	$48,994	$40,946	$42,277	$42,936	$45,080

*DAM WORK.—Pittsburg, Pa.—Following bids were received April 17 by Major Wm. L. Sibert, U. S. Engrs., for building 100 ft. of Chanoine dam, two bear trap dam foundations, each 93 ft. long, a Chanoine weir, 160 ft. long, and three piers and abutment, Dam No. 3, Ohio River, at Glenosborne, Pa.; (1) Dravo Contracting Co., Pittsburg, Pa.; (2) Baker Contract Co., Pittsburg, Pa.; (3) Ohio River Contract Co., Evansville, Ind.:

Material.	(1)	(2)	(3)
Excavation...........	$1.00	$ .90	$ .80
Hemlock Timber.....	55.00	60,00	50.00
Oak Timber..........	90.00	90.00	80.00
Wrought iron and steel (including all metal except cast iron, bronze and pipe)...............	.08	.07	.06
Cast iron..............	.06	.06	.06
Bronze................	1.00	.50	.50
Galvanized iron pipe, 4" dia..............	1.00	1.00	1.00
Galvanized iron pipe, 3" dia..............	.75	.75	.90
Black pipe, 2" dia....	.30	.50	.50
Round piling..........	.50	.65	.65
Sheet piling..........	95.00	90.00	90.00
Concrete..............	8.00	8.50	8.50
Stone crib filling.....	3.00	3.00	3.00
Large stone..........	4.00	3.50	3.00
Common filling......	.60	.70	.75
Paving-vitrified brick	2.50	4.00	3.00
Riprap stone bank-covering............	3.00	7.00	6.00
Crib decking..........	60.00	60.00	60.00
Totals.........	$225,146	$227,448	$217,020

*DAM.—Pittsburg, Pa.—Following bids were received April 17 by Major Wm. L. Sibert, U. S. Engrs., for building Dam No. 2 at Six-Mile Island, Allegheny River; (1) Dravo Contracting Co., Pittsburg, Pa.; (2) Baker Contract Co., Pittsburg, Pa.; (3) Jas. H. McQuade Co., Pittsburg, Pa.:

Material.	(1)	(2)	(3)
Gravel excavation	$1.00	$ .75	$ .60
Back fill..........	.50	.75	.60
Embankment....	.50	.75	.60
Round piles......	.50	.50	.45
Sheet piles.......	90.00	80.00	70.00
Oak timber......	*60.00	80.00	70.00
Hemlock timber.	45.00	60.00	50.00
Stone crib filling.	3.50	3.00	2.50
Large stone......	3.50	3.00	2.50
Concrete..........	6.00	8.00	7.00
Driftbolts........	.05	.06	.05
Totals.........	$213,422	$230,817	$197,337

*If any kind of hard wood, $55.

MACADAM ROADS.—Bowling Green, O.—Bids were received April 3 by County Commissioners for constructing a number of roads, the contracts being awarded as follows: Abram Frick Road, Secs. 1 and 2, 16 ft. wide, SPRATT & NICHOLS, Groverhill, O., 14,747 cu. yds. earth excavation, $0.14; 27,760 cu. yds. macadam, $1.30; 45,045 ft. 4-in. tile drain, 0.03^3/_{10}$. P. P. Swinehart Road, 12 ft. wide, SHEARER STONE CO., Woodville O., 6,102 cu. yds. earth excavation, $0.14; 11,266 cu. yds. macadam, $1.59; 23,948 ft. 4-in. tile drain, $0.03. O. W. Foster Road, 12 ft. wide, SHEARER STONE CO., 9,468 cu. yds. earth excavation, $0.14; 10,921 cu. yds. macadam, $1.14; 23,680 ft. 4-in. tile drain, $0.03. Bids were received April 10 for constructing three more roads, the successful contractors being as follows: Jerry Carter Road, 12 ft. wide, RYAN & CO., Maumee, O., 5,801 cu. yds. earth excavation, $0.13; 9,539 cu. yds. macadam, $1.39; 19,282 ft. 4-in. tile drain, $0.03. Geo. Foos Road, 12 ft. wide, RYAN & CO., 3,349 cu. yds. earth excavation, $0.13; 5,506 cu. yds. macadam, $1.19; 11,092 ft. 4-in. tile drain, $0.03. Stebel and Loomis Road, 12 ft. wide, GEO. E. MERCER, Bowling Green, O., 13,616 cu. yds. earth excavation, $0.15; 22,388 cu. yds. macadam, $1.14; 45,733 ft. 4-in. tile drain, $0.03½. Finished road is to be 8½ ins. deep at center and 6 ins. outside. Length of drain tile indicates length of road. E. L. Spafford, County Surveyor.

*GRADING.—Washington, D. C.—Following bids were received April 22, by District Commissioners for 73,000 cu. yds. grading on Pennsylvania Ave.; Morris Hacker, Supt. Roads: Lyons Bros., Washington, 43 cts.; E. G. Gummel, 612 F St., N. W., Washington, 33 cts.; L. R. Colbert, Massaponax, Va., 27 cts.; G. B. Mullin, 612 F St., N. W., Washington, 32 cts.; Chas. McDermott, 335 Del. Ave., N. E., Washington, 24 cts.; Jas. C. McGuire & Co., 26 Cortlandt St., New York, 21 49-100 cts.

DREDGING.—Grand Rapids, Mich.—Following bids were received April 22 by Col. M. B. Adams, U. S. Engrs., for dredging harbors on East Shore Lake Michigan, the bid of Chicago & Great Lakes Dredge & Dock Co. being recommended for acceptance; (1) group 1, (2) group 2: Chicago & Great Lakes Dredge & Dock Co., Chicago, Ill., (1) 17¼ cts., (2) 17¼ cts.; Greiling Bros., Green Bay, Wis., (1) 19 cts., (2) 18 cts.; Samuel O. Dixon, Milwaukee, Wis., (1) 19¼ cts., (2) 17½ cts.; Bennett & Schnorbach, Muskegon, Mich., (2) 18¼ cts.; The Fitz Simons & Connell Co., Chicago, Ill., (1) 20 cts., (2) 20 cts. Balance available is $31,300.

EMBANKMENT, ROLLERS.—Washington, D. C.—Following bids were received March 23 by Lt.-Col. Smith S. Leach, U. S. Engrs., for construction of earth embankment approach to the highway bridge over the Potomac River at Washington; (1) depositing 70,000 cu. yds. of earth, (2) steam roller per day, per roller: Ernest L. Miner, Petersburg, Va., (1) 64 cts., (2) $45; McMullen & McDermott, Washington, D. C., (1) 78 cts., (2) $7; F. S. Carmody Co., Washington, D. C., (1) 99 cts., (2) $8.

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INDUSTRIAL NOTES.

THE ALLIANCE MACHINE CO. and the Morgan Engineering Co., of Alliance, O., have placed orders with the Westinghouse companies for a total of 120 crane motors, with an aggregate of 2,000 HP. They vary in size from 1 to 100 HP. The Pennsylvania R. R. Co. on the same day contracted for 20 induction motors to be added to the present motor equipment, and the Bethlehem Steel Co. entered an order for direct-current motors to be used in its mills.

THE INGERSOLL-SERGEANT DRILL CO., N. Y., reports that the contract for the compressed air power plant, to be used in driving the second pair of trolley tunnels under the Hudson River, has been awarded to it. This company has furnished all the compressors for subaqueous tunnel work in N. Y. and vicinity. These tunnels, which are popularly known as the Cortlandt St. Tunnels, for the reason that their N. Y. terminal will be located on that street, are to be built by the Hudson companies, of which Chas. M. Jacobs is the Ch. Engr. The shield method of subaqueous tunneling will be used. The order includes five duplex air compressors. Three are low pressure Class "H" machines with steam cylinders 14 and 28 ins. in diameter, air cylinders 22¼ ins. in diameter and 16-in. stroke, with a maximum air pressure of 50 lbs. per sq. in. and a capacity of 1,850 cu. ft. of free air per minute each. The other two are Class "HC" machines for high pressure, with steam cylinders 14 and 28 ins. in diameter, air cylinder 24¼ and 14¼ ins. in diameter and 16-in stroke, with a maximum pressure [illegible] lbs. per sq. in. and a combined cap[illegible] 2,000 cu. ft. of free air per minute.

THE C. H. WHE[illegible] CONDENSER & PUMP CO., succeedin[illegible] Pump Co., Philadelphia, Pa., anno[illegible] that Clifton H. Wheeler, the former [illegible]ent and General Manager of the Whe[illegible]ndenser & Engineering Co., New Y[illegible] now identified solely with this com[illegible] Inquiries are solicited for surface, je[illegible]ometric condensers; vacuum and circ[illegible] pumps, electric, geared or steam driven [illegible] cooling towers; pumping engines and [illegible]iliaries for complete plants for both [illegible]ary and marine service, including high [illegible]uum guarantees for turbine requirem[illegible] The company's principal office is in [illegible]delphia, Lehigh Ave. and 18th St., w[illegible]ranch office in New York, 26 Cortlandt St. Sales offices in Chicago and elsewhere will soon be established. The officers and directors are: John Pitcairn, Pres., Pres. Pittsburg Plate Glass Co., Pittsburg; Geo. Burnham, Jr., Vice-Pres., Baldwin Locomotive Works, Philadelphia; C. H. Wheeler, Secy.; Otto W. Schaum, Works Mgr., Schaum & Uhlinger, Philadelphia; W. H. Rometsch, Treas., Fletcher Works, Philadelphia.

BRICK PAVING.

Bluefield, W. Va.

Sealed proposals will be received by the undersigned until 2 P. M., May 22d, for paving Princeton Avenue with vitrified paving block. The surface to be covered is approximately ten thousand six hundred (10,600) square yards. Specifications will be mailed on application.

A certified check for $500.00 must be deposited with each bid. The Council reserves the right to reject any or all bids.

J. E. CROCKETT,
Recorder, Bluefield, W. Va.
April 24th, 1905. 17-2t

DELAWARE CITY, DEL., April 26, 1905.—Sealed proposals, in triplicate, will be received here until 11 a. m., May 25, 1905, for constructing Oil House at Fort DuPont, Del. Information furnished on application. U. S. reserves right to accept or reject any or all bids or any part thereof. Envelopes containing bids should be endorsed "Proposals for Oil House," addressed CAPTAIN LOUIS F. GARRARD, JR., Q. M. 17-4t

U. S. ENGINEER OFFICE, Buffalo, N. Y., April 26, 1905.—Sealed proposals for dredging in Buffalo River Entrance Channel will be received here until 11 A. M., May 26, 1905, and then opened. Information furnished on application. H. M. ADAMS, Lieut.-Col., Engrs. 17-4t

For other Proposal Advertisements see pages 35, 36, 37, 38, 39, 40, 41 of Advertisements and Construction News page 160

SITUATIONS OPEN

DRAFTSMEN wanted in N. Y. City office on details of masonry, concrete and steel construction work for a manufacturing plant, also machinery, piping and miscellaneous work; rapid, neat and accurate workmanship required; state age, experience and expected salary; refer to last two employers. Address "A. B. 17," Engineering News, New York. 17-1t

WANTED, by railroad company, draftsman experienced in designing turbines and electric power houses; give experience, etc. Address "F. A. 17," Engineering News, New York. 17-1t

DRAFTSMAN wanted by a company in N. Y. City; give full experience, age, and salary expected. Address "D. A. 17," Engineering News, New York. 17-1t

WANTED immediately, real estate engineer accustomed to making precise transverse surveys and subdivision of property; also capable of making contour surveys; state age, experience and salary expected. Address "I. A. 17," Engineering News, New York. 17-1t

WANTED, good concrete foremen, also good rock and derrick foremen. Transportation furnished any point N. Y., O. & W. R. R. to destination. Address I. M. LUDINGTON, Contractor, Roscoe, N. Y. 17-1t

TWO ENGINEERS WANTED, one who thoroughly understands stadia surveying, and one with sewage disposal experience. Graduates preferred. Address "M. A. 17," Engineering News, New York. 17-1t

WANTED.—Two mechanical draftsmen; state wages and experience. Address "D. B. 17," Engineering News, New York. 17-1t